# AMERICAN RAILROAD JOURNAL

AND GENERAL ADVERTISER



AND MINES.

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THE AMERICAN RAILROAD JOURNAL is the only periodical having a general circulation throughout the Union, in which all matters connected with public works can be brought to the notice of all persons in any way interested in these undertakings. Hence it offers peculiar advantages for advertising times of departure, rates of fare and freight, improvements in machinery, materials, as iron, timber, stone, cement, etc. It is also the best medium for advertising contracts, and placing the merits of new undertakings fairly before the public.

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(See Adv.) THOMAS & EDMUND GEORGE, Philadelphia.

DAVENCRY & BRIDGES

W. R. CASEY, CIVIL ENGINEER, NO. 23 Chambers street, New York, will make surveys estimates of cost and reports for railways, canals, roads, docks, wharves, dams and bridges of every description, with plans and specifications. He will also act as agent for the sale or purchase of machinery, and of patent rights for improvements relating to public works.

# KITE'S PATENT SAFETY BEAM.

Safety

Safety

MESSES. EDITORS.-As your Journal
is devoted to the benefit of the public in gen-eral I feel desirous to communicate to you for publication the following circumstance of no inconsiderable o importance, which oc-curred some few days since on the Philadelphia, Wilmington and Baltimore railroad.

On the passage of the evening train of cars from Philadelphia to this city, an axle of our large 8 wheeled passenger car was broken, but from the particular plan of the con-struction, the accident was entirely unknown to any of the passen-gers, or, in fact, to the conductor himself, until the train, (as was supposed from some circumstances attend-ing the case,) had pass-ed several miles in advance of the place where the accident occurred, whereas had the car been constructed on the common plan

the same kind of accident would unavoidably have much injured it, perhaps thrown the whole train off the track, and serious-

ly injured, if not killed many of the passengers.

Wilmington, Del., Sept. 28, 1840.

The undersigned takes pleasure in attesting of the value of Mr. Joseph S. Kite's invention of the Safety Beam Axle and Hub for railroad cars. They have for some time been applied to passenger cars on this road, and experience has tested that they fully accomplish the object intended. Several instances of the fracture of axles have occurred, and in such the cars have uniformly run the whole distance

such the cars have uniformly run the whole distance with entire safety. Had not this invention been used, serious accidents must have occurred.

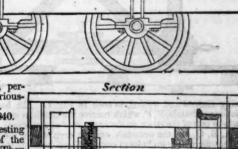
In short, we consider Mr. Kite's invention as completely successful in securing the safety of property and lives in railroad travelling, and should be used on all railroads in the country.

JOHN FRAZER, Agent,

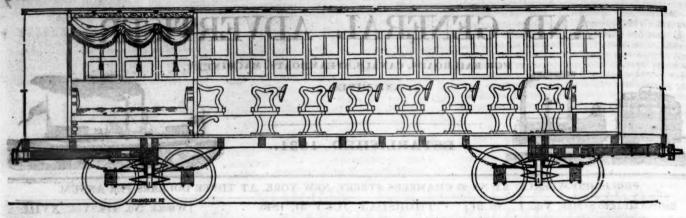
GEORGE CRAIG, Superintendant,

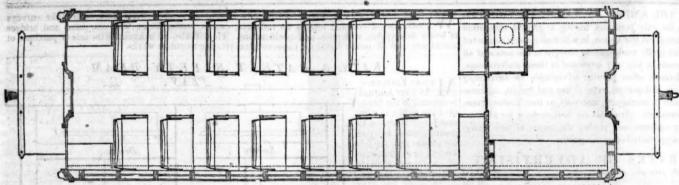
W. L. ASHMEAD, Agent.

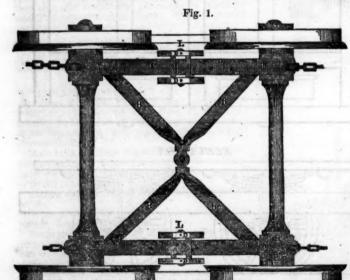
The A model of the above improvement is to be seen at the New Jersey railroad and transportation office, No. 1 Hanover st., N. York.

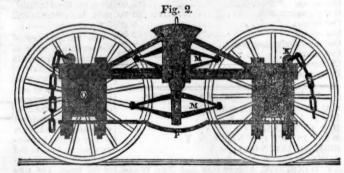


ELEVATION









DAVENPORT & BRIDGES' IMPROVED PATENT IRON TRUCK FOR RAILROAD CARS, is presented above, and the attention of Railroad Companies is respectfully invited to the following description of their justly-celebrated invention:

Companies is respectfully invited to the following description of their justlyleaves and the state of the drawing above represents a top view or plan of our Improved
Railroad Truck. Fig. 2 is a central, longitudinal, and vertical section. C,
Fig. 1 and 2, represents the arched bars of the side trusses: they consist of two
long bars of plate iron (about three inches wide by seven-eighths of an inch
thick,) bent into the shape as seen in free. A, which extends from one end to the
other, as seen in Fig. 2. These parts, so arranged, receive between their ends
upon four pedestals, F, F, which receive the bearings or boxes for the axles to trun on. Another flat tie bar, P, extends from the under side of one of the pedestals to that of the other, on the same side of the frame, and the whole is secured together by eight bolts, J, J, passing down through the ends of the several
ars, A, B, C, and the pedestals, and on each side of the journals of the axles, O, O, in the positions represented in the drawings. From the above it will be
seen that there are two bolts to each pedestal, and that this number is all that is requisite for the full security of the bars and pedestals together. The body
rests and moves upon two sectional supports, D D, arranged on the sides of the truss frames, as seen in Fig. 2; they extend somewhat, or a sufficient distance
above the truss frames, and are jointed at their lower ends by means of a bolt, L, which rests upon the top of the lower spring, M, which spring rests upon a
within the truss frame, and rests upon the top of the bar, A.

Two bands, N, N, are passed entirely around the central part of each truss frame, and freely trushed bar, C.

These Trucks are adapted as well for eight-wheeled passenger cars as for baggage and freight cars, giving to each a more agreeable and easy motion than
any other Truck heretofore constructed or in use. They are simple in their construction, combining strength and great durability, although weighing at least
twelve hundred pounds less than the common

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RAILROAD IRON AND LOCOMOTIVE
Tyres imported to order and constantly on hand
A. & G. RALSTON
Mar. 20tf
4 South Front St., Philadelphia. THE NEWCASTLE MANUFACTURING Company continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive and other steam engines, Jack screws, Wrought iron work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives.

The works being on an extensive scale, all orders

Railroad Componies, Iron Founders, and others interested in the works to which the same relate. Companies reconstructing their tracks now have an operation of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives.

W. Mc. C. CUSHMAN, Civil Engineer, Albany, N. Y. Company continue to furnish at the Works,

will be executed with promptness and despatch.
Communications addressed to Mr. William H.
Dobbs, Superintendent, will meet with immediate attention.

ANDREW C. GRAY,

President of the Newcastle Manuf. Co.

CUSHMAN'S COMPOUND IRON RAILS.

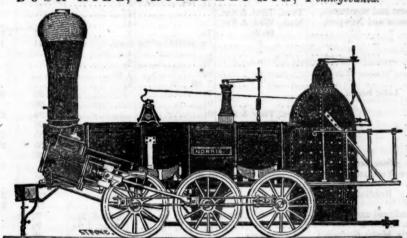
TO RAILROAD COMPANIES AND BUILDERS OF MARINE AND LOCOMOTIVE
improvements in the construction of rails, mode of
ENGINES AND BOILERS. guarding against accidents from insecure joints, etc.
—respectfully offers to dispose of Company, State
Rights, etc., under the privileges of letters patent to
Railroad Componies, Iron Founders, and others in-

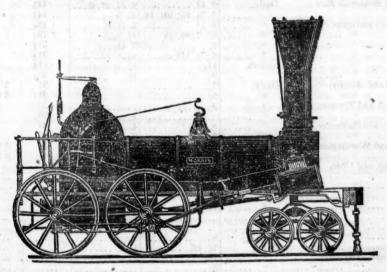
Albany, N. Y.

Mr. C. also announces that Railroads, and other works pertaining to the profession, may be constructed under his advice or personal supervision. Applications must be post paid.

# NORRIS' LOCOMOTIVE WORKS

BUSH HILL, PHILADELPHIA, Pennsylvania.





MANUFACTURE their Patent 6 Wheel Combined and 8 Wheel Locomotives of the following descrip-

15 inches Diameter of Cylinder, × 20 inches Stroke. 2, × 24 14 141  $\times$  20 × 20 124 66 66 44 20 X

101  $\times$  18 With Wheels of any dimensions, with their Patent Arrangement for Variable Expansion. Castings of all kinds made to order: and they call attention to their Chilled Wheels or the Trucks of Locomotives, Tenders and Cars.

66

NORRIS, BROTHERS.

44

#### PASCAL IRON WORKS.

### WELDED WROUGHT IRON TUBES



Manufactured and for sale by MORRIS, TASKER & MORRIS.
archouse S. E. Corner of Third & Wainut Streets, PHILADELPHIA.

RAILROAD IRON.—THE MARY-LAND AND NEW YORK IRON AND Coal Company are now prepared to make contracts for Rails of all kinds. Address the Subscriber, at Jennon's Run, Alleghany County, Maryland.

WILLIAM YOUNG,

iv451m President. TO IRON MASTERS.—FOR SALE.—MILL SITES in the immediate neighborhood of Bi-huminous Coal and Iron Orc, of the first quality, at Ralston, Lyoming Co., Pa. This is the nearest point to tide water where such coal and ore are found together, and the communication is complete with Philadelphia and Baltimore by canals and railways. The interest on the cost of water power and lot is all that will be required for many years; the coal will not cost more than \$1 to \$1 25 at the mill sites, without any trouble on the part of the manufacturer; rich iron ore may be laid down still many change of the works; and taken together more cheaply at the works; and, taken together, these sites offer remarkable advantages to practical these sites offer remarkable advantages to practical manufacturers with small capital. For pamphlets, descriptive of the property, and further information, apply to Archibald McIntyre, Albany, to Archibald Robertson, Philadelphia, or to the undersigned, at No. 23 Chambers street, New York, where may be seen specimens of the coal and ore.

W. R. CASEY, Civil Engineer,

VALUABLE PROPERTY ON THE MILL Dam For Sale. A lot of land on Gravelly Point, so called, on the Mill Dam, in Roxbury, fronting on and east of Parker street, containing 68,497 square feet, with the following buildings thereon standing.

Main brick building, 120 feet long, by 46 ft wide, two stories high. A machine shop, 47x43 feet, with large engine, face, screw, and other lathes, suitable to do any kind of work.
Pattern shop, 35x32 feet, with lathes, work bench-

Work shop, 86x35 feet, on the same floor with the

pattern shop. pattern shop.

Forge shop. 118 feet long by 44 feet wide on the ground floor, with two large water wheels, each 16 feet long, 9 ft diameter, with all the gearing, shafts, drums, pulleys, &c., large and small trip hammers, furnaces, forges, rolling mill, with large balance wheel and a large blowing apparatus for the foundry.

Foundry, at end of main brick building, 60x451 feet two stories high, with a shed part 451x20 feet, containing a large air furnace, cupola, crane and corn oven.

corn oven

Store house—a range of buildings for storage, etc., 200 feet long by 20 wide.

Locomotive shop, adjoining main building, fronting on Parker street, 51x25 feet.

Also—A lot of land on the canal, west side of Parker st., containing 6000 feet, with the following buildings thereon standing:

Boiler house 50 feet long by 30 feet wide, two sto-

Res.

Blacksmith shop, 49 feet long by 20 feet wide.

For terms, apply to HENRY ANDREWS, 48.

State st., or to CURTIS, LEAVENS & CO., 106.

State st., Boston, or to A. & G. RALSTON & Co.,

Canadelphia. Chuadelphia.

CYRUS ALGER & CO., South Boston Iron Company.

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The English which was in an period to her was if it woo gauge W. Journ N. One of the control of

Uniformity of Gauge.

This subject is now causing much excitement in England. It is one of great importance, and one which early received attention in this journal, as may be seen in the number of 21st January 1832! in an article from an esteemed correspondent of that period and from whom we should be much pleased to hear again. Uniformity in the width of track was frequently referred to and urged upon engineers -yet, as in many other matters, experience only enabled them to decide on what is, upon the whole, the proper width; and in arriving at a decision, a diversity of widths has come into use; and even now, it would seem that the question of what is the best gauge is far from being settled.

We copy from the latest number of Herapath's Journal, the editor's remarks upon this subject.

No man can doubt the desirableness of one uniform gauge, if at any reasonable cost it could be attained. Mr. Cobden has therefore done wisely in bringing it forward, even now late as it is.

Great difference of opinion existed at first among engineers as to what should be the proper gauge. Most of them were of opinion that the present is too narrow, and perhaps if the whole was to be done over again we should have it something wider.

The reasons for a wider gauge were chiefly two-one, that the present gauge would be dangerous at high speeds, and the other, that it did not afford scope for that powerful machinery in locomotives necessary for attaining very high velocities. Greater research and experience have exploded the first and along with it, one of the arguments of Mr. Brunel for his broad gauge. He asserted, that by increasing the gauge he should be able to use higher wheels on the carriages the carriages would work with less friction, and therefore, more economy. The less friction with high wheels, we at first opposed as being contrary to the results of experiment, which showed that slipping friction is independent of velocity, and the rolling friction on railways is insignificant; and experience has taught Mr. Brunel that we were right, for he has abandoned his high wheels for car-

In respect of the engines, this fact is enough. There are or were about his company's premises engines with 10 feet wheels, which cost some £30,000 or £40,000, and have never been used, for one very goodand to all other men's minds, except Mr. lieve to 6 or 61 to 7 feet wheels.

The second reason, that is, that the nar-

supply steam moderately fast. Hence, heavy engines with coupled wheels, are generally strifes which we have lately witnessed be-required to exhaust all the weight of the engine. The other depends not so much on the weight of the engine, which is seldom or never taxed to the full or a fourth, as on the power of the boiler to generate steam rapidcombined with an expansive apparatus, does cious one. effectually, and appears, by an improvement lately introduced of double valves one above ply, and a proper husbanding, of steam that are wanting. In short, for heavy loads, weight of engine is the principal element, but for high speeds a rapid supply of steam. This, at first, Brunel maintained could only be accomplished by more room for the boiler, that is, by a wider gauge. Mr. Robert Ste-phenson, however, has cut this reason away by increasing the length of the boiler, and generating more steam with the same fuel. The simplification which he at the same time gave to the working gear, and the improve-ments which have lately been made in the valves, have at length furnished us with the means of economising this steam so much as in fact to give us much more than we want. Both Brunel's reasons, therefore, for the broad gauge, whatever plausibility they had in the first instance, now no longer exist

If then there be any change of gauge, reason tells us that it should be from the broad and engines, and that these higher wheels on to the narrow gauge. Not only is it the gauge containing some four or five times the number of miles in operation, but the change could be made at incomparably less cost, and without any danger to the public or delay in the traffic. Another rail within each of the outer rails would do it as far as the road is concerned; for which the road is prepared and only wants the rails to be laid down .-The cost would be under £80,000. In a month or less after the materials are procured, the whole may be done with a proper force. All the tunnels, all the cuttings, bridges and embankments, which do for the broad gauge will equally do for the narrow. But as it was well observed in the house, and is stated by one of our correspondents, if the Brunel's until he tried them—very obvious converse is to be done—the narrow turned reason, namely, that they did not possess the into the broad—the whole work must be converse is to be done-the narrow turned power to work. They are of course laid changed. More land must be bought; the aside and the company have gradually come bridges, tunnels, embankments and cuttings, down to more reasonable dimensions, we bemate, the cost of the change would be from a fourth to a third of the entire cost of the row gauge does not afford room for machin- line. Twenty millions would not do it; and ery competent to compass high velocities, as to the time required, no one could calcuwas no doubt good at the time, but by a better late it. Of the danger, too, attending widenarrangement and larger boilers, Stephenson ing tunnels, we have had a specimen by the has got over the difficulty.

To understand this point, the reader should ing on the Newcastle and Carlisle railway.

To talk of changing the narrow to the broad falling in of the tunnel while it was widen-

weight of the engine combined with cylin- We can only say that we shall be glad to see ders large enough to use it, and a boiler to it for the convenience of the public princi-

A commission is to be appointed for the This, Mr. Stephenson's new engine, purpose. We only hope it will be a judi-

East Indian railways .- The court of dithe other, with an advance of excentric to rectors have appointed an experienced person close the parts earlier, to be capable of still as surveyor of railways in India, at a salary greater improvement. In these engines, it is not great statical power, but an abundant suphis passage, etc, out, and the same sum home. This looks as if the important subject had engaged the serious thoughts of the Indian authorities, who must be fully sensible of rendering remote distances easily accessible. It may be long before, as a means of passenger transit, these railways may be much used by the native population (always averse to innovation,) but for the conveyance of produce they must be of immense advantage, and tend to lessen the inequalities which exist between Indian articles of export and those of more favored lands. The merchant and the government are, therefore, in this sense, equally interested in the success of the scheme, while for the conveyance of troops it is impossible to conjecture the full extent of benefit which may result from railway facilities. The journey by way of the Ganges from Calcutta to Cawnpore, for example, occupies a greater period of time than the passage from England to India. How desirable, then, it must be to lessen the tediousness of this and similar routes .- [ Times.]

> Atmospheric Railway.-At the sitting of the Academy of Sciences on Saturday last, says the Paris correspondent of the National Intelligencer of 1st July, M. Arago reported a new apparatus for the Atmospheric railway, which he described as an important improvement in respect to speed and safety. In England, at the late meeting of the directors of the London and Croyden Atmospheric rail-

> way:
> "Mr Joseph Samuda, one of the patentees of the atmospheric railway, said he would undertake to work fifteen trains per day each way, at an average travelling speed of forty miles an hour, from one end of the line to the other, the average weight of each train

being from 30 to 40 tons.

" Mr. Gibbon, the acting engineer of the Dalkey railway, said that the atmospheric system worked with a precision and regularity which did not belong to the locomotive. During the greater part of Sunday last ten trains were running per hour, each train weighing about 40 tons. The cost of working is in the proportion of ten to twelve in favor of the atmospheric system over the locomotive."

New Engine .- A new locomotive of great draw great loads at moderate velocities, and mall loads at high velocities, depends on That a change would be desirable to one upon the Fitchburg road, for the freight mall loads at high velocities, depends on that a change would be desirable to one upon the Fitchburg road, for the freight two very different qualities. One is the uniform gauge is too evident for discussion, train.—[Bunker Hill Aurora.]

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		open	.50	in o b	in a	six lat	six lat	share.	cent.	share.	Barnsl	ey June	tion		200,0
NAME OF RA'LWAY		0 88	ed s	zed i	ms.	for in	for in		cent.	share	Blackt	urn are	allymena d Accrir	gton.	385,0
og which we are glad		Wille	tal sums, ir thorized to shares.	10 mm 100	su su	de de	ds,	Per	Per	Jo a	Birk.	and Che	s. Junct	ion1	.000.0
asmod with the har			Total author	Total author by load	Total sums, in expended at d	Cost of working pounds for six is as stated in late lance sheets.	Total ea pounds, fo as stated i	-	Company of the last	Paid o	Bolt.,	Wigan	and Live	erpool	800,0
4		-			130 00	2550	0.30	0 12 6	The second secon		Caledo	mian	d Linco	In 1	,800,6
Arboath and Forfar Birmingham and Gloucester			102,000 1,187,500	35,000	0 138,87 6 1,500,80	6 39 961		1 5 0	2 10 0	100 100	Chath	am and	Portsme	outh. 5	.000.0
Brandling Junction		. 23	161,70	365,47	0 481,45	2			4 10 0	50 54	Cheste	r and V	Vrexhan	n	120,0
Bristol and Gloucester		. 371	400,000	211,00	0				nihil.	30 36	Churn	et valle	y	1	,800,6
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Dundee and Arbroath	*******	16:	100,000	49,44		6 2,989	6,993	1 50	5 00	25 29	Edinb	urg and	Norther	rn	800,0
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East County and North and Edinburg and Glasgow	Latist	46	1,125,00	375.00	5 3,931,90 0 1,649,52	3 29 490	55 866	1 2 6	4 10 0		Gt. So	oth and	n. & Ca West I	Ext	,200,
Hasgow, Paisley and Ayr Glasgow, Paisley and Green		51	937.50	0	. 1.066.95	1 12.446	36,736	1 26	4 10 0	50 60	Gt. Gi	rimsby a	and She	ffield.	600,
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lartlepool		· . 15k	438.00	0 155,54	0 719,20	5			8 0 0	100	Leeds	and T	hirsk		800
eicester and Swannington.		161	140,00		140,00		6,317			50			k and P		600
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Paris and Orleans Paris and Rouen Preston and Wyre	•••••••	82 84 19	1,600,00 1,440,00 830,00	0 400,00 0 0 179,85	06 1,015,44 00 1,978,41 52 355,10	17 9,07 15 15 31,24 61 4,19	37,794 7 91,171 1 7,066	1 2 10 ( 0 16 (	0 6 16 1 0 8 0 0 1 8 0 0 1 nihil.	8 100 104 0 20 39 0 20 38 50 18	West White Boulo	Yorkshehaven RENCH I	ireand Ma	ryport s.	100
Paris and Orleans Paris and Rouen Preston and Wyre Sheffield and Manchester		82 84 19	1,600,00 1,440,00 830,00 1,150,00	0 400,00 0 179,85 0 311.75	06 1,015,44 00 1,978,41 52 355,16 99 951,45	17 9,07: 15 31,24' 61 4,19 55 11,89	7 91,171 7,066 5 14,876	1 2 10 0 0 16 0	0 6 16 1 0 8 0 0 1 8 0 0 1 nihil. 1 nihil.	8 100 104 0 20 39 0 20 38 50 18 82 93	West White Bould Centr	Yorkshehaven RENCH I gne and al of Fi	ire and Ma RAILWAY d Amier rance	ryport s.	100 100 1,500 1,280
Paris and Orleans	• • • • • • • • • • • • • • • • • • • •	82 84 19 19 88	1,600,00 1,440,00 830,00 1,150,00	0 400,00 0 179,85 0 311.75 0 1,530,27	06 1,015,44 00 1,978,41 52 355,16 99 951,48 17 3,464,1	17, 9,07; 15,, 31,24; 61, 4,19 55, 11,89; 72, 40,99;	7 91,171 7,066 5 14,876 3 81,482	1 2 10 ( 0 16 (	0 6 16 8 0 8 0 0 1 8 0 0 1 nihil. 1 nihil. 2 2 0	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39	West White Bould Centry Lyons	Yorkshehaven RENCH I gne and al of Fi s and A	ire and Ma RAILWAY I Amier rance vignon.	ryport s.	1,500 1,280 2,400
Paris and Orleans		82 84 19 19 88 30	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00	0 400,00 0 0 179,85 0 311.75 0 1,530,27 0 154,78	06 1,015,44 00 1,978,41 02 355,10 9 951,44 07 3,464,1 00 348,6	47, 9,07 15,, 31,24 61, 4,19 55, 11,89 72, 40,99 06, 8,50 26, 5,40	7 91,171 7,066 5 14,876 3 81,482 9 18,414	1 2 10 ( 0 16 ( 1	0 6 16 0 8 0 1 8 0 1 nihil. 1 nihil. 2 2 0 0 6 5	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 100 55 8 29 37	West White Bould Centry Lyons Orlea Paris	Yorkshehaven a RENCH I gne and al of Fr s and A ns, Tou and Ly	ire and Ma RAILWAY I Amier rance vignon rs & Bor rons	ryport s. as	1,500 1,500 1,280 2,400 2,000 2,500
Paris and Orleans		82 84 19 19 88 30	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00	0 400,00 0 0 179,85 0 311.75 0 1,530,27 0 154,78	06 1,015,44 00 1,978,41 02 355,10 9 951,44 07 3,464,1 00 348,6	47 9,07 15 31,24 61 4,19 55 11,89 72 40,99 06 8,50 26 5,40	7 91,171 7,066 5 14,876 3 81,482 9 18,414 1 13,856	1 2 10 0 0 16 0 1 3 4 5 6 2 0 10 6 1 1 0 6 6 0 15 6	0 6 16 0 8 0 0 16 16 16 16 16 16 16 16 16 16 16 16 16	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 100 55 8 29 37 16 25	West White Bould Centry Lyons Orlea Paris Paris	Yorkshehaven and of France And Ans, Tou and Ly and Or	ire and Ma RAILWAY I Amier rance vignon. rs & Bor ons leans	ryport s. as	1,500 1,500 1,280 2,400 2,500 1,600
Paris and Orleans	ls and Sel	82 84 19 19 88 30 25 200 by 28	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 187,50 1,062,50	00 400,00 00 00 179,85 00 311,75 00 1,530,27 00 154,78 00 20,00 00 62,50 00 167,50	06 1,015,44 00 1,978,41 02 355,10 9 951,44 77 3,464,12 00 348,65	47 9,07 15 31,24 61 4,19 55 11,89 72 40,99 06 8,50 26 5,40	7 91,171 7,066 5 14,876 3 81,482 9 18,414 1 13,856	1 2 10 0 0 16 0 1 3 4 5 6 2 0 10 6 1 1 0 6 6 0 15 6	0 6 16 0 8 0 0 16 16 16 16 16 16 16 16 16 16 16 16 16	8 100 104 0 20 39 0 20 38 50 18 82 93 0 100 55 8 29 37 16 25 0 50 100	West White P Bould Centry Lyons Orlea Paris Paris Paris	Yorkshehaven and of Frank Ans, Tou and Ly and Or and Ro	ire and Ma RAILWAY I Amier rance vignon rs & Bor ons leans	ryport	1,500 1,500 1,280 2,400 2,500 1,600 1,400
Paris and Orleans	ls and Sel	82 84 19 19 88 30 25 20 by 28	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 187,50 1,062,50	00 400,00 00 00 179,85 00 311.75 001,530,27 00 154,78 00 20,00 00 62,50 00 167,50	1,015,44 00 1,978,41 1,978,41 1,978,41 1,773,464,11 1,55 590,00 1,348,61 2,30,21 1,00 676,64	47 9,07 15 31,24 61 4,19 55 11,899 66 8,509 66 8,509 66 5,40 67 27,133	7 91,171 7,066 5 14,876 3 81,482 9 18,414 1 13,856	1 2 10 0 0 16 0 1 3 4 5 6 2 0 10 6 1 1 0 6 6 0 15 6	0 6 16 10 8 0 0 10 10 10 10 0 10 0 10 10 10 10 10 1	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 100 55 8 29 37 16 25	West White P Bould Centry Lyons Orlea Paris Paris Paris	Yorkshehaven RENCH I gne and al of Fis and Ans, Tou and Ly and Or and Ro	ire and Ma RAILWAY I Amier rance vignon rs & Bor ons leans buen	ryport s. nsdeaux	1,500 1,500 1,280 2,400 2,500 1,600 1,400
Paris and Orleans	ls and Sel	. 82 . 84 . 19 . 19 . 88 . 30 . 25 . 20 by 28 . Am't. of share.	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 1,062,50 aneous,	0 400,00 0 179,85 10 311.75 10 1530,27 0 154,78 0 20,00 0 62,50 0 167,50	1,015,44 1,978,41 1,978,41 1,978,41 1,978,464,17 1,464,17 1,464,17 1,56 1,57	47 9,07 15 31,24 4,19 55 11,89 72 40,99 06 8,50 26 5,40 27,13 esent rice. Lot	7 91,171 7,066 5 14,876 3 81,482 9 18,414 1 13,856 NAME O	12 10 0 0 16 0 16 0 17 0 0 17 0 0 18 0 18	0 6 16 8 0 8 0 nihil. nihil. 0 10 0 0	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 100 55 8 29 37 16 25 0 50 100 Num. of shares.	West White F Bould Centry Lyons Orlea Paris Paris Paris Am't, of share	Yorkshehaven RENCH I gne and all of Fr s and A ns, Tou and Ly and Or and Ro	and Ma BAILWAY I Amier rance vignon rs & Bor ons leans buen tDiv.p.c. per ann 70	ryport s. nsdeaux	1,500 1,500 1,280 2,400 2,500 1,600 1,400
Paris and Orleans	ls and Sel	82 84 19 19 88 30 25 20 by 28 Hiscell share.	1,600,00 1,440,00 830,00 1,150,00 2,996,00 519,15 187,50 1,062,50 Ameuus, Ameuus,	0 400,00 0 179,85 10 311.75 10 1530,27 0 154,78 0 20,00 0 62,50 0 167,50	06 1,015,44 00 1,978,41 02 355,14 9 951,44 77 3,464,17 155 590,00 230,25 00 676,64  Last Proprice. Price. Price. 154	47 9,07 15 31,24 61 4,19 55 11,89 72 40,99 66 8,50 26 5,40 50 44 27,13 esent Lou	1 37,794 7 91,171 1 7,066 5 14,876 3 81,483 9 18,414 1 13,856 NAME O	12 10 0 0 16 0 16 0 16 0 17 0 0 18 0 18	0 6 16 (0 8 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 100 55 8 29 37 16 25 0 50 100 Num. of shares.	West White F Bould Centry Lyonie Paris Paris Paris Paris   Am't, of share   1421	Yorkshehaven RENCH I ggne and al of From Stand Anns, Tour and Ly and Or and Ro	ire and Ma RAILWAY I Amier rance vignon rs & Bor ons leans puen 70 10	ryport s. as	1,500 1,500 1,280 2,400 2,500 1,600 1,400
Paris and Orleans	ls and Sel m and N Num. of shares. 10,000 10,000	82 84 19 19 88 30 25 20 by 28 <b>Iiscell</b> Am't. of share.	1,600,00 1,440,00 830,00 1,150,00 2,996,00 519,15 187,50 1,062,50 (Amount, paid, 10 18	0 400,00 0 179,85 0 311.75 0 1,530,27 0 154,78 0 20,00 0 62,50 0 167,50	16 1,015,44 1,978,41 12 355,16 19 951,46 177 3,464,17 15 590,00 10 676,64 10 230,22 10 676,64 15 15 15 15 15	17, 9,07. 15 31,24 61 4,19 55, 11,89 57, 40,99 66 8,50 66 5,40 56 41 27,13 essent criee. Lot 68 Me	1 37,794 7 91,171 1 7,066 5 14,876 3 81,482 9 18,414 1 13,856 NAME O	12 10 (0 16 (1))))))))))	0 6 16 10 8 0 0 8 0 0 10 10 10 10 10 0 0 10 10 10 10 10 1	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 100 55 8 29 37 16 25 0 50 100 Num. of shares. 700 2,409	West White F Bould Centr, Lyonia Paris Paris Paris Paris   Am't, of share   1424   1600   100	Yorkshehaven RENCH I ggne and al of From Stand Anns, Tour and Ly and Or and Ro Amount paid.	ire and Ma RAILWAY I Amier rance vignon rs & Bor ons leans puen 70 10 10	ryport s	1,500 10,500 1,28 2,400 2,500 1,600 1,400 Pr
Paris and Orleans	ls and Sel m and Num. of shares. 10,000 10,000 5,700	82 84 19 19 88 30 25 25 20 by 28 Tiscell 10	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 187,50 1,062,50 Amount, paid. 10 18å 35	0 400,00 0 179,85 0 311.75 0 1,530,27 0 154,78 0 20,00 0 62,50 0 167,50	1,015,44 01,978,41 152 355,14 199 951,44 1773,464,1' 150 348,66 100 230,22 100 676,64 155 155 12 2 344	17 9,07. 15 31,24 61 4,19 55 11,89 72 40,99 96 5,50 26 5,40 27,13 28 20 28 20 29 40,99 20 50 40 27,13 40 27,1	1 37,794 7 91,173 1 7,066 5 14,876 3 81,482 9 18,414 1 13,856 NAME O	12 10 (6 16 (6 16 16 16 16 16 16 16 16 16 16 16 16 16	0 6 16 10 8 0 0 8 0 0 nihil.	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 50 39 0 50 39 16 25 8 29 37 16 25 0 50 100 Num. of shares. 70 2,409 255 500	West White F Boulo Centre Lyons Orlea Paris Paris Paris 142 100 100 100	Yorkshehaven RENCH I gene and all of Fi s and A ns, Tou and Ly and Or and Ro  Amount paid.  1421 100 100	ire and Ma RAILWAY Amier rance vignon. rs & Bor ons leans puen 70 10 10 10	ryport s. as	1,500 1,500 1,500 1,28 2,400 2,500 1,600 1,400 1,400 11
Paris and Orleans	Is and Sel m and B Num. of shares. 10,000 10,000 5,700 20,000	82 84 19 19 88 80 25 20 by 28 Tiscell am't. of share. 10	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 187,50 1,062,50  ancous.    Amount, paid. 10 184 35 14	0 400,000 0 179,85 0 179,85 0 11,75 0 154,78 0 154,78 0 20,00 0 62,50 0 167,50 Div. p. c.	1,015,44 1,978,41 1,978,41 1,978,41 1,99 951,44 1,773,464,1' 5,590,00 0,348,65 0,00 230,25 0,00 1,55	17 9,07. 15 13,24' 61 4,19 55 11,89:72 40,99:06 8,500 60 8,500 50 14 27,13: essent criee. Lot of Mo Me Me Me Me Ma	1 37,794 7 91,17:17 7,066 5 14,876 5 14,878 9 18,414 1 13,856 NAME 0 nghborou nmouths dton Morrsey and cetlesfield	12 10 (0 16 (6 ) 16 (6	0 6 16 10 8 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 100 104 0 20 39 0 20 38 50 18 82 93 0 100 55 8 29 37 16 25 0 50 100 Num. of shares. 70 2,409 256 500 3,000	West White F Boulo Centre Lyons Orlea Paris Paris Paris 142 100 100 100	Yorkshehaven RENCH I ggne and al of From Stand Anns, Tour and Ly and Or and Ro Amount paid.	ire and Ma RAILWAY I Amier rance vignon rs & Bor ons leans puen 70 10 10	ryport s. as	1,500 1,500 1,28 2,400 2,000 2,500 1,600 1,400 Pr P
Paris and Orleans Paris and Rouen Preston and Wyre. Preston and Wyre. Preston and Manchester. Paris Vale Plate Indiana Plate Indiana Parmouth and Norwich. Parmouth and Norwi	ls and Sel m and B Num. of shares. 10,000 5,700 20,000	82 84 19 19 19 88 30 25 20 by 28 Tiscell 4m't. of share. 10	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 187,50 1,062,50 Amount, paid. 10 18\frac{1}{3} 35 14 100 6	0 400,000 0 179,850 0 179,850 0 311.75 00 154,78 0 154,78 0 0 20,000 0 62,50 0 167,50	16 1,015,44 00 1,978,41 12 355,1(199 951,44 1773,464,1' 15 599,00 16 348,65 16 599,00 16 676,64  Last Preprice. 15 2 2 34 2 27 1 2 27 2 2 5 6	17 9,07.15 31,24' 61 4,19 555 11,89:72 240,99:06 8,50:26 50 44 27,13:	1 37,794 7 91,171 1 7,066 5 14,876 3 81,483 9 18,414 1 13,856  NAME Oughboroum mouths ton Morrey and colesfield ath ford	12 10 (0 16 (1))))))))))	0 6 16 10 8 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 100 104 0 20 39 0 20 38 50 18 82 93 0 50 39 0 50 39 0 50 100 50 100 55 8 29 37 16 25 0 50 100 Num. of shares. 70 2,409 250 500 3,000 247 1,786	West White F Boulo Centry Lyons Orlea Paris Paris Paris 1400 1000 1000 1000 1000 1000 1000 100	Yorkshehaven a Rench I general and I general	ire and Ma Anier Al Amier rance vignon. vignon. cons leans leans per ann 70 10 10 21 17 30	ryport s. as	1,500 1,500 1,282,400 2,600 1,600 1,400 Pr Pr Pr 160 111
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raris and Orleans raris and Rouen reston and Wyre heffield and Manchester outh Eastern raff Vale. Tister rarmouth and Norwich rork and N. Mid. and Leed Stea  NAME OF COMPANY. Luglo Mexican Mint tustralian Trust Company eleneral hteam Navigation it Western Steam Pa detropolitan Wood Pav. arent Elastic Pav reeninsular and Oriental	Is and Sel  Num. of shares.  10,000 10,000 20,000 15,000 10,000 11,493	82 84 19 19 88 30 20 20 by 28 11scell Am't. of share. 10 15 0	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 187,50 1,062,50 Amount, paid. 10 18\frac{1}{3} 35 14 100 6	0 400,000 0 179,850 0 311.75 00 1,530,27 0 154,78 0 20,000 0 20,000 0 62,50 0 167,50	161,015,44 101,978,41 102 355,14 199 951,44 1773,464,1' 150 348,63 100 230,22 100 676,64 237 2 2 344 277 2 2 2 344 14 664 164 1664 1664 1664 1664 1666 167 178 187 187 187 187 187 187 187 187 18	17, 9,07. 15 131,24' 61 4,19 55 11,89:75 2 40,99:06 8,50:06 60 5,40:06 60 Me essent Coxide Me 7 Ma Nea 7 Ma Nea 60 St	1 37,794 7 91,17:7 9 7,066 5 14,876 5 14,876 9 18,411 1 13,856 NAME O ughboroumouths iton Morrsey and cyclesfield ath. ford. orgents or opshire.	12 10 (0 16 (6 16 16 16 16 16 16 16 16 16 16 16 16 16	0 6 16 10 8 0 0 10 10 10 10 10 10 10 10 10 10 10 10	8 100 104 0 20 39 0 20 38 50 18 82 93 0 100 55 8 29 37 16 25 0 50 100 Num. of shares. 70 2,409 247 1,786 21,418 500	West White F Boulo Centre Lyons Orlea Paris Paris Paris Paris 100 100 100 100 100 100 133 125	Yorkshehaven Rench I gne and all of Fis and A ns, Tou and Ly and Or and Ro Amount paid.  Amount paid.  1421 100 100 100 100 100 100 1334 125	ire and Ma Railway I Amier rance vignon.rs & Bor ons leans tipliv.p.e. per ann 70 10 10 10 21 17 30 21 6	Last price. 1140 160 117 15 365 505 120	1,500 10,500 1,500 1,28 2,400 2,500 1,600 1,400 11,
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raris and Orleans.  raris and Rouen  reston and Wyre.  cheffield and Manchester.  cheffield and Manchester.  raff Vale.  Taff Vale.  Tister.  Tarmouth and Norwich.  Tork and N. Mid, and Leed  Stean  NAME OF COMPANY.  Inglo Mexican Mint.  Anti Dry Rot.  Australian Trust Company  seneral hteam Navigation  it Western Steam Pa.  Actropolitan Wood Pav.  Patent Elastic Pav.  Ceninsular and Oriental.  Ditto.  C. Mail Steam Packet  South Western Steam.  Ship Owners' Towing.  Chames Tunnel.	ls and Sel  Num. of shares.  10,000 10,000 5,700 20,000  15,000 11,493 3,200 5,387 15,000 4,000 3,000 4,000	82 84 19 19 88 30 20 20 20 20 20 20 20 20 20 20 20 20 20	1,600,00 1,440,00 830,00 1,150,00 2,996,00 465,00 519,15 187,50 1,062,50  Amount, paid. 10 184 35 14 100 6 1 50 40 100 57	0 400,000 0 179,85 0 1179,85 0 1179,85 0 11,75 0 1,530,27 0 154,78 0 0 50,20 0 62,50 0 167,50  Div. p. c.  10  5 7 7 6 4 1 1	66 1,015,44 00 1,978,41 52 355,1(4) 99 951,4(7) 75 590,00 00 348,65 00 230,22 00 676,64  Last Propriee. 1154 12 2274 22 568 14 14 1644 66	17, 9,07. 15 131,24' 14,19 155, 11,89:75, 24 160,99:06, 8,50:06 160, 17,13: 17,13: 18,	1 37,794 7 91,17:7 7 7,066 5 14,876 5 18,482 9 18,411 1 13,856 2 55,752 NAME O  ughboroumouths iton Morrsey and cyclesfield ath. ford. orgents or opshire. nerset co fford and ewsbury urbridge oudwate ansea.	12 10 (0 16 (1 16 (16 (16 (16 (16 (16 (16 (16 (1	0 6 16 10 8 0 0 1 10 10 10 10 10 10 10 10 10 10 10	8 100 104 0 20 39 0 20 38 50 18 82 93 0 100 50 39 0 100 55 8 29 37 16 25 0 50 100  Num. of shares. 70 2,409 255 500 3,000 3,000 3,000 500 500 300 200 300 307	West White White White Paris P	Yorkshehaven Rench I gne and all of Fis and A ns., Tou and Ly and Or and Ro Amount paid. 1421 100 100 100 100 100 100 125 150 140 125 145	ire and Ma RailLway A Amier rance vignonrs & Bor ons leans rouen	Last price. 1140 160 117 15 365 505 120 123 480 360 240 30	1,500 10,500 1,500 1,500 1,282 2,400 2,500 1,600 1,400 11,600 1,400 11,6
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SWITT, CHILDREN SWINDS THE STREET OF SWITTER SWITTERS	in miles	8.	A SECTION	Income.	Expend.	Income.	Expen					
Y. 1 Black river canal			24,967 37,000	10 555	10.059	04 616	14 445	T	e six mill	ions paid t	o the canal	fund f
"   3 Champlain canal			51,6C4	102,308	10,953	24,618 116,739	14,446	aucti	on and sa	It duties a	re not inch	uded in
4 Chemung			84,600		14,486		10 740	Plan	ate of cos	L The G	enesee valle e large sun	ey and
5 Chenango.			20,000				15 060	Diaci	criver can	iais requir	e large sur	as ior
6 Crooked lake			56,777	461			3 051	comp	neuon, me	interest of	which addi	vronai
7 Erie—enlargement of	363	196	18 850	1,880,316	0,074		0,001	of th	ich greate	r man mee	sumated gr	oss inc
8 Genessee valley	190		39,000					OI IN	ese canais	when nh	ished. The	sums
9 52 miles opened, cost \$1,500,000	120	0,4	39,000		19 010	10 641	15 555	quire	d to comp	lete these t	wo canals a	re \$2,0
" 10 Oneida lake	6		50,000	12,292 225		19,641	10,00	UUU a	na sout,	ood l making	g their total	COST W
" 11 Oswego							00 500	nnish	ea \$5,553,	000 and 352	,409,000; a	n expe
II Comos	38		65,437		22,742	20,100	20,393	ture	ncurred o	n estimated	incomes (a	admitte
						7,381	5,380	be lik	eral,) of \$	\$39,000 and	\$14,000 re	spectiv
IdiDelaware cana						109,278	22,870	Th	e total rec	eipts from	the works o	f Penr
TELE LUMBER OF COMMERCES AS A SECOND OF THE PROPERTY OF THE PR								vania	for 1843	were \$1.0	19,401; for	1844
" 15 Seneca river towing path						381		1404 0	30 J al.	and about	90 2115	161771
" 16 Columbia railroad						443,336	205,067	Th	e receints	for 1844 w	ere sa follos	Pa.
" 17 Eastern division						179,781	138,915	Cana	tolls	dorle	cre as lond	578
" 18 Juniata canal	93					THE LANGE !	100	Dails	and talle		DESTRUCTION OF THE	252
" 19 Portage railroad	130			,		351,102	248,943	Moti	zo nower	distance M.	ture houses phrose sec	319
" 20 Western division canal	105				100	0.12 11	15	Tame	e power,		follower second for	13
1 21 North branch Susquehannah canal	73 5	100		000	STOR	101.040	EN 000	Truc	ich SEDE	00 15 6	118 miles o	f m il
21 North branch Susquehannah canal 22 West """""	72					101,949	07,633	or wh	ICH \$080,5	is from	110 miles 0	r raili
io 23 Hocking canal	56	9"	75,130	4 757		5,286	4.139	and \$	0 70,404 11	om ood mi	les of canal	1177
24 Miami canal	85		0,742		38,826	77,844	00 241	The	canals of	Ohio are	supported	by a r
25 Miami extension.	105		66,636		30,020	12,723	14 741	perty	tax of 51	mills on th	he dollar.	There
26 Miami porthern division.				0,231	******	unfin'd.	12, 721	853 r	niles of car	nal in the S	he dollar. State, which	vielde
27 Muskingum	35		22,000	09 100	******	- 00.00#	15 000	1843	\$471 623	and in 18	44 9515 303	the
Wuskingum	91		7,318		102 200	249,300	119 010	Ist Is	n '43 bei	ng \$15.577.	233. The	increa
2010110	334		0,000	322,754			10 010	44 01	707 43 18 6	nn w 444 77	u though t	ne vea
231 vv abasii	91		8,340	35,922		48,589	12,817	hasa	whilited a	greater in	crease thro	nghon
301 Walhonding.	25		7,269	838	39,005	1,977		COUNT	ry then or	er before k	rown	-Smort
off western road	31	25	5,015	7,254	1,782	8,747	2,929	Count	J man ev	or before B		
d. 32 Sundry works		11,00	00,000			*******		Th	ese 21 mi	mons on st	undry work	s yield
1331 Maume canal								incon	ne whatev	er.	or or its	H III
II. 34 Sundry works	1	10 00	00,000					Th	e central r	railroad yie	lds above (	per c
Central railroad	1110	1,84	12,308	149,987	75,960	211,170	89,420	and i	s the only	State work	the Erie	canal
36 Southern railroad	68	1 9	36,295	24,064	7,907	60,341	70,000	repte	d—which	is able to s	tand alone.	
······	Length	~~	~~	1843.	Di		844.	i Div.	Value ,		~~~	~~
CANALS.	in	Co	st.	Income	e. pe	r Inc	ome.	per	6	R	EMARKS.	
Di- 1	miles.	-		Gross.		-	Nett.	-			1 11 1 2 1 1 1 1	1
Blackstone.								****				334
Bald Eagle Navigation		40	0,000							*****		G-
Beaver and Sandy, (part)		1,00	0,000							we may, p	erhaps, at so	ome ru
Charleston, (S. C.)									tin	ne be enabl	ed to give th	he part
Charleston, (S. C.)	184	12,37	0,470	47,637 .			*****		lar	rs of all the	ed to give these canals.	
Conestota	12	30	0,000							The Chesa	peake and C	thio ca
Delaware and Chesapeake	13								26 18		ompleted to	
Schuylkill	108	3,50	0.0002	79,795 10	2,221	. 190,693	3 120,624		31 mi		its triffing i	
Farmington							1			The enlarg	ement of th	e Sch
James river and Kenhawa									kil	l canal has	been comn	nenced
Middlesex		1								The Morris	s canal was	lately
Port Deposit	10	200	a agai					1	TOP	one millio	n, about on	e-fourt
Delaware and Raritan	43	9 90	0.000	99 693 5	3 307	131 491	84 455		01	its cost. I	t is said in	the va
Southwark	10	30	0,000	33,020 3	0,001	. 104,500	01,100	1	the	at it is to be	enlarged.	Wel
Tide Water.	AE	0.00	0,000					1	ces	en no renor	t, nor heard	of the
	80	0,00	0,000								any engine	
Morris.								1	28	mathematic of	may oughto	7.77
Dismal Swams	101	1,00	0,000						40	phyl Result		9.00
Dismal Swamp	*****					Sicerone.			~~~			-
CANADIAN CANALS.	Length	No. of	Lockag	el. E	Size of loc	ks. Depth on mitge sill.	Width o	f canal	Estimate.	Expended	Incon	ie.j
	miles.	locks.	in feet.	chamber	Width.	mitre sill.	Bottom.	Surface	- J. S JED	Sept. 1843.	1843.	1844
The Welland canal.	1000	THE REAL PROPERTY.		. feet.	feet.	feet.	feet.	feet.	3,948,572	2,485,572	64,658	
Jain trunk from Port Colborne to Port Dalhousie	28	31	328	150	26 1-2		45	81			. Introduction	
		-		-	26 1-2	ALL SECTION STATES	35	71	(_0,0)	Devide	es steams	
unction branch to Dunville f not added		1	6	150					1000		NE SWADE	S en
road creek branch to Port Maitland below.	1 1-2	1	6	200	45	9	45	85			age Property	
The St. Lawrence canal.											medicana.	SITI
alops and Port Cardinal	2	2	7	200	45	9	50	90			a saturation of	9-01
and Plat.	A	2	11 1-9		45	9	50	90	672,498	973	es alsosocialis	17 00
arren's point	2.4	1	3 1-9		45	9	50	90			23200	Till-
HWall, Dassing the Long Soult rapide	111 1 0	7	48	200	55	9	100	150	865,375	21,665,663	No Envisor	19.00
unarnois do Cotean Codess and Cassadas ass	114 4 4 41	9	82 1-9		45	9 .	80	120	1,190,08		ri crote-idea	33.60
Line I was a series and Cascalles Ival	0 1 0	5	44 1-2	222	45	9	80	120	old canal		29,288	Silver !
mile, up. Lachine rapide	0 1-2			200	1	Test one			. 1,001,333		X-10 To Your Co	
mile, up. Lachine rapide		57	525				1	11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Morte vitte	and the first
rgement of do.	1163		74	120	24	6	36	60	200,000	440,000	1,409	1952
rgement of do.	12	9					-			~~~		
Total from lake Erie to the sea	66	~~		~~~	10/9	1 Thin 1.						
Total from lake Erie to the sea	Length miles	in 1	Costa		1843. ncome,	Div.	Incon		per	of	REMARKS	
rgement of do.  Total from lake Erie to the sea	Length miles R. rd. Ca	in	Cost	Gros	ncome.	per cent.	Incon		per cent. sto	ock.	REMARK	V AT
Total from lake Erie to the sea.  COAL COMPANIES.  Delaware and Hudson.	Length miles R. rd. Ca 16 100	in I	Cost.	Gros 000 930,2	03 196,70	per cent.	Incon	ne.	cent. sto	of ock.	REMARKS	Var.
Total from lake Erie to the sea.  COAL COMPANIES.  Delaware and Hudson.	Length miles R. rd. Ca	in I	Cost.	Gros	03 196,70	per cent.	Incon	ne.	cent. sto	ock.	REMARK	Variable of the Control of the Contr
regement of do.  Total from lake Erie to the sea  COAL COMPANIES.  Delaware and Hudson	Length miles R. rd. Ca 16 100	in I	Cost.	Gros 000 930,2	03 196,70	per cent.	Incon	ne.	cent. sto	of ock.	impath side	Water State of the

	A PARTY OF THE PAR	of products	AME		RAILI				- 10 april	District Co.			a Property of the Agency	SALE	
Ended	RAILROADS.	Length	Cost.	and	Number	on	Inco		Div.	· Inco	ome.	Div.	ous	Week en	16.
	alread in that the the boar out of the first an Arnertic	miles.	Agereal	debts.	shares.	hare		Nett.	cent.	Gross.	-	cent.	-	Shares.	Price
Me. N. H.	1 Portland, Saco and Portsmouth 2 Concord	50	750,000				89,997	47,166	. 7	131,404	62,172	6	1034	1	1034
Mass.	3 Boston and Maine	56	1 485 461		STORAGE.	1.013	178,745	68,499	6	233,101	86,401		117		114
31 44 12	4 Boston and Maine extension		455,703	unfin.		1.000								inches	
44	5 Boston and Lowell		1,863,746	none.	19 600	100	277,315	144,000	8		147,615 156,109		120 114		11 }
- 46	7 Boston and Worcester	44	2.914.078		Vaniage.		40.141	162,000	6		195,163		1204	54	1
5 (N.9)	8 Berkshire	21	250,000	not stated				17,500	7	17,737	7				
44 77	9 Charlestown branch	1000.03	280 260	Light Bloom	1082 194.				13	34,654	13,971		1124	50	80
	10 Eastern	54	2,388,631	justo <b>pn</b> 'd			279,503	140,595	6	337,238 42,759	227,920 26,835		1131	275	1081
	12 Nashua and Lowell	14 1-2	380,000	Justoph			84,079		8	94,588			123		
- 66	18 New Bedford and Taunton	. 20	430.962				50,671	24,000	. 6						
. "	14 Northampton and Springfield		172,883	unfin.										A	
- 66	15 Norwich and Worcester		2,170,366 67,820				162,336	24,871		230,674	99,464		106	3,355	
2 4	17 Stoughton branch	4	63,075	unfin.									100		
46	18 Taunton branch	. 11	250,000					20,000	8	96,687	20,000	8	118 .		
46	19 Vermont and Massachusetts											1			
	20 West Stockbridge	. 156	7 686 202	200 24,686,202	30,000	100	573,882	984 435		753 757	420 675	3	101	20	0.1021
86	22 Worcester branch to Milbury		8,431	506	30,000										TOWN
. 46	23 Housatonic, (10 months.)	. 74	1,244,123							. 150,000			31		
Con	24 Hartford and New Haven	38	1,100,000	100,000	10,000							6	95	25	93
"	25 Hartford and Springfield	25 1-2 48	2,600,000		2,000	100	113 880			154 794	20 84		29	695	281
N.Y.	26 Stonington, (year ending 1st Sept.,) 27 Attica and Buffalo		336,211			100	45,896	7.529		. 154,724 73,248	48.037	3 0	20	Dec	2004
- 16	28 Auburn and Rochester	. 78	1.796.342	200,000	14,000	1100	189.693	31112.000		. 1237.667	71152 007	7 6		10	
11	29 Auburn and Syracuse	26	766,657	0.00	India.	1334	86.291	27,334	1	. 96,738	52,544	6	116		
66	30 Buffalo and Niagara	10000	5 000 000		1,500								100	1,325	
of H	22 Erie, opened	53						48,000	0	. 126,020	59,075		20	1,000	30
66	32 Erie, opened	26	1,206,231							. 1140.685	62,399	9	694	170	691
1,4630	34 Hudson and Berkshire	. 31	575,613			50				. 35,029	9 1,789	9 0	117	10000	1
	35 Long Island	96	1,610,221 1,317,893	392,340	29,846 10,000	:00	60 945	58,780		153,456			1	7,380	
	3   Saratoga and Schenectady	. 22	303 658	400,000	10,000	100	42,242	3.000	0 1	34.666	4 45,763 6 8,455		284		
. 46	35 Schenectady and Trov	. 20 1-2	640,800	)			28,043	3		. 32,646	6 6.365	5 0			
44	39 Syracuse and Utica	. 53	1.115.897	none.	16.000	621	163,701	1/72.000	0	. 1192.061	1 120 992	2 8	117		
	40 Tonnawanda		727.332				76,227			114,177	7 75,865	5			
	42 Troy and Saratoga	25	475 801		1	1.	44.325	21,000		38.502	9.971	2		1	1
	43 Utica and Schenectady	. 78	2.168.165	none.	20.000	100	277.164	1 180,000	0 9	331.932	2 199'094	4 8		20	132
N. J.	44 Camden and Ambov	61	3.200,000				682,832	2 383.880	0	. 784.191	1 404.956	6	112	1	7
H	45 Elizabethtown and Somerville	26	500 000	N		1			1			1000	95	100	0 951
11	47 Paterson	. 16	500,000		****			1				6	90	1,225	
Pa.	48 Beaver Meadow	. 26	1,000,000		1										
11	49 Cumberland Valley	46	1,250,000												. ini
	50 Harrisburg and Lancaster* 51 Hazleton branch		120,000				*******				:		30		
- 11	52 Little Schuylkill	29	900,000		1							1	1		1
16	53 Blossburg and Corning	40	600,000				1					1.1			
11- 11	51 Mauch Chunk	9	100,000												1
	55 Minehill and Schuylkill Haven 56 Norristown	18					.,,			1			80		
ai .	57 Philadelphia and Trenton	• 30	400,000										104		
- 64	58 Pottsville and Danville	29 1-2	2 1.500.000									1			
The second second	59 Reading	. 94	19.457.570	7.447.570	40.200	50				. 597.613	343,517		58	2,330	
:44 "	60 Schuylki'l valley	25	400,000				200 000								
- 11	62 Philadelphia and Baltimore	93	4,400,000				43,043	200,00			210.000		151	11,831	15
De	63 Frenchtown	16	600,000											7	
Md.	64 Baltimore and Ohio, (1st Oct.) 65 Baltimore and Susquehanna	188	7,623,600				575,235	279,402	4	658,620	346,946	š			481
64	66 Baltimore and Washington	38	3,000,000 1,800,000				177 92	71 69		212,129	104 50	1	21		
Va.	67 Greensville and Roanoke	18	284,433	37,544	2.000	100	111,000	71,00		25.36	6.07	4	. 84		
A 66 . ]	68 Petersburg	63	969,880	63,000	7,690	100				122,87	72,89	3	77		
4 Ct 2	69 Portsmouth and Roanoke	78 1.0	2 1,454,171									1		0.00005	100000
- 66	71 Richmond and Petersburg	22 1-2	800,000							185,243	85,688				
u	72 Winchester and Potomac	* 32	500.000		100	Land of	444.20.	Mark at the	Marie	de la reconstitu	A Brief con				
N. C.	73 Raleigh and Gaston	84 1-2	21,360,000			13					1	D.Lean	1	17.5	
R C	74 Wilmington and Raleigh	* 161	11.800.000												
B. C.	75 South Carolina	136	- ani		34.410	75	201 101			. 532,871	1 140,196	6 5			
1	77 Central	. 190	2,581,723		.921	1017	201,404	93.19	4	. 328,425	180,70				
			2 2,650,000				201,464 227,532 248,026	158,20	1	248,09	6 147.52	2			****
. "	78 Georgia	14/ 1-2	-10,000,000	4		4 1		10000	1	95 00			****		
- "	78 Georgia	. 89	1. 500 000							30,00	10,000			Mediane.	
Ky.	78 Georgia 79 Montgomery and West Point 80 Lexington and Ohio	. 89	450,000	170,000		100								1 1	
Ky.	78 Georgia. 79 Montgomery and West Point	. 89 40 40	500,000 450,000 400,000 152,000	170,000		100						1			
Ky. Ohio "Ind.	78 Georgia. 79 Montgomery and West Point. 80 Lexington and Ohio. 81 Little Miami.	89 40 40 40 56	500,000 450,000 400,000 152,000 212,000			100									

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mmunications by Monday morning at latest.

# PRINCIPAL CONTENTS.

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#### AMERICAN RAILROAD JOURNAL.

PUBLISHED BY D. K. MINOR, 23 Chambers street, N.Y.

### Thursday, July 31, 1845.

THE COAL TRADE—SCHUYLKILL VALLEY.
The shipments by railroad are 25,522 tons, and by canal 6,063 02, making 32,495 02 tons for the BY RAILROAD.

From Pottsville and Port Carbon—total1 From Schuylkill Haven—total	
From Port Clinton—total	
Total by railroad	371,678
From Pottsville and Port Carbon—total	63 447
From Schuylkill Haven—total tons	
From Port Clinton,	
Total by canal	103.907

Total by canal	03,907
Total by railroad and canal	175,595
Total shipments from Mauch Chunk.	Lehigh

coal and navigation co.

Summit mines, 88,369
Room run do., 30,230—118,595
Beaver Meadow railroad and coal co., 37,582
From Penn Haven—Hazleton coal co., 30,727
From Rock Port-Buck Mountain coal co., 9,456
and the control of th
196,359
WYOMING COAL TRADE—total70,577
PINE GROVE COAL TRADE.—total33,649
MINEHILL AND SCHUYLKILL HAVEN RAILROAD-
total tons
MOUNT CARBON RAILROAD—total tons. 131,528
[Miners' Journal.

#### New York and Eric and New York and Albany Railroads.

Next to the Croton water-if second even to that in importance to the people of this city-is the early completion of these two great railroads. We have not a doubt but that, if completed and put into successful operation, within five years their cost would be twice reimbursed to the people of New Yorkeven if they merely paid the current expenses of management-in the expense of living, in improved health, arrising from a greater supply of the necessaries of life-such as pure milk, fresh vegetables, poultry, etc.; and last, though not least, in the increased value of real estate, which would not be less certainly, and probably more than ten per cent .-- or its present assessed value of \$171,000,000-over and above what it would be if the roads are not built. It would therefore be true economy for the city to build these roads by a tax upon the property, divided into ten annual assessments, and then put the fare and freight at the lowest possible rates -merely paying current expenses, and accumulating a fund for re-building the road when required—as by such a course, the artificial channels for business would be superior to the natural, and New York might then retain her relative position without

we have no expectation that it will be done, as verted from its ordinary channels, what may we the New York and Erie Railroad--let not the gislature? present liberal offer of the legislature pass unimproved. Such another may not again occur in an tate, to the merchants, to the manufacturers, to the tion to your means, in the completion of a work and cheaper, to enjoy better health and make more money, even if it never pays a penny of dividend. Yet that it will be a good investment when completed there cannot be a doubt; and as a proof that it will be so, compare its estimated cost and its resourthis country and Europe, which are now in use and paying large and increasing dividends. We give their length, cost, cost per mile, and last year's divi-

dend:			
43		P. P.	ot.
ile in the second	14	Cost	0 0
New York	Ö		-
Portland and Saco 50 \$	1,200,000	\$24,000	6
Concord and Nashua35	750,000	21,428	12
Boston and Maine 56	1,485,461	26,526	61
Boston and Lowell 26	1,863,746	71,682	8
Boston and Providence. 41	1,886,135	46,000	6
Boston and Worcester 44	1.914.078	43,500	71
Eastern	2,388,631	44.333	8
Nashua and Lowell 141	380,000	27.143	10
Auburn and Rochaster 78	1,796,342	23,030	6
Auburn and Syracuse 26	766,765	29,489	6
Syracuse and Utica53	1,115,897	21,054	8
Utica and Schenectady. 78	2,168,165	27,797	8
pulce dim continuously . To	-,,		

per mile; yet they pay larger dividends, simply beline, as the New York and Erie will soon have especially at its extremes; and as for it's way business England-where railroads are most profitable-as will be seen in the annexed list:.

lied.	a orași	nie.	vid'd.
Dublin and Kingston 6	£349,736	£58,289	A 9
Grand Junction 104	2,503,671	24,073	10
Great Western2211	7,455,689	33,584	8
Liverpool and Man- chester 32	1,785,000	55,781	10
London and Birming- ham	6,614,995	58,540	10
London and South-	2,604,405		
Paris and Orleans 82	1,978,415	24,127	
Paris and Rouen 84	1,440,000	. 17,145	. 8
With such results durin	g the first	few year	· 0

dents will oblige us by sending in their fear of competition. We say this might be done the working of the system, when the machinery is and true economy would be consulted thereby; yet comparatively new, and its business has to be dithose who have the means to carry out such a course not anticipate from it when the main lines shall of measures do not, and will not, at present, see have been extended, the numerous branches comthe correctness of this position; therefore we must pleted and the business have found its way to them, rely upon individuals, upon the men of means, to as a large proportion of it will wherever they are construct them; and it is to the men of means-not in operation? With New York at one end, and of large, but also of small means-to those who feel the fertile region of country with its numerous railat home in New York-not to those who feel, if they roads and canals, bordering upon the great lakes at do not say, "What is Broadway or New York to me? the other, and its hundredc of miles of lateral roads I live in Paris;" but to those who live and have a diverging from it along its line, as there surely will pride in, and a regard for the people of, New York, be, where can be a better investment of capital than that we desire to say—and especially in relation to in this important work under the law of the last le-

Liverpool and London.

Two hundred and twenty miles in five hours, or age, if this is neglected! To the owners of real es- 44 miles an hour, including stops! and at about 5 cents a mile in first class cars; and proportionably mechanics, carmen and business men of New York less, or about 3 and 2 cents in the second or third we say then, now do your duty, and aid in propor- class cars. This is truly going ahead, and, as Mr. tion to your means, in the completion of a work Willis says in his letter, speaking of his journey which, when done, will enable you to live better from Liverpool to London, "this travelling at forty odd miles the hour gives one's eyes hardly time to know a tree from a cow, but here and there I got a distant view in crossing a valley, and recognized the lovely rural beauty of England, the first impression of which lasts one, like an enchanted memory, thro ces for business with the following roads, both in life. Notwithstanding the great speed, the cars ran so evenly on their admirable rails, that there was no jar to prevent one's sleeping or being comfortable, and I awoke from a very pleasant dream to find myself in London." In speaking of the pavements of London, he says "the paving of London is really most admirable. Vast city as it is, the streets are as smooth as a floor all over it, and to ride is indeed a luxury. The break-neck, hat-jamming and dislocating jolts of Broadway must seem to English judgment an inexcusable stain on our public spirit. And apropos of paving-the wooden pavement seems to be entirely out of favor. Regent street is laid in wooden blocks, and in wet weather (and it rains here some part of every day) it is so slippery that an omnibus which has been stopped in going up the street is with difficulty started again. The horses So much for American railroads. Now look at almost always come to their knees, though the asa few of the English roads, which have generally cent is very slight, and the falls of cart and carriage cost more pounds sterling than ours have dollars horses are occurring continually. Nothing seems to 'do' like the McAdam pavement, and wherever cause they have business at both ends, and along their you find it in London, you find it in as perfect order as the floor of a bowling alley. I see that all heavy vehicles, by the way, are compelled to have very it will exceed any other in the country, in propor-broad wheels, and they rather improve the road than tion to its greater length and the number and extent spoil it. A law to the same effect should be passed of its branches, which will certainly exceed that of in New York, if it ever has a pavement worth prethe main line! It is the construction of branches serving." The cost of keeping the pavements of and the connection with other roads which adds Broadway, even in the condition we usually find immensely to the business of railroads, and ensures them for fifteen years would make them equal to their prosperity. Such is found to be the case in those of London and keep them so; and so of other streets. But any person with one eye only, who witnesses the manner in which the pavements are put down, or repairs are made, will see that they cannot be permanent, and must therefore be a constant source of annoyance and expense.

# Branch of the Eric railroad.

The Attica and Hornellsville railroad company, says the Ithaca Chronicle, incorporated at the last session of the legislature, has organized, by appointing Geo. Palmer of Buffalo, president, and J. G. Hoyt of Attica, secretary. The books for sub-scription to the stock are to be opened at Buffalo, Attica and Hornellsville, on the 10th of September

It appears from these facts that the cost of renewper ton of freight per mile-estimating the passengers old iron, or about \$4700 per mile. and baggage as so much freight.

As the destruction of iron, according to this experience, greatly exceeds the usual estimate of the the change; but, on the other hand, the new value of that item, it would be well to call the attention of engineers to this important subject, with a admitted free of duty, which reduced the cost. view to providing some adequate remedy.

#### Wear of Railroad Iron.

and speculation during the last two years, as and replacing it by a new track of the same to the probable duration of railroad iron weight, is very nearly \$5000 per mile. when exposed to a heavy traffic; and there If we then divide this sum by 500,000 tons, are few subjects on which the opinions of the amount of trade which shall have destroypractical men have differed more.

1838, after the "fish-belly rail" had been found inadequate. The new rail was of the H pattern—the form now most generally approved.

The following table shows the number of tons which passed over the road, in each and have made considerable effort, to obtain from year, from 1838, when this rail was first used, until July, 1845, when the company commenced making extensive repairs:

In 1838	about	60,000	tons.
1839		0.000	66
1840	onle v • ten Sa's • un	73,000	44
1841	menumbed to the factor of	- 86,000	
1842	Super Constitution of the	91,000	41-
1843		- 115,000	
1844		150,000	. 44
	(to July)	- 75,000	4
	Total feight -	720.000	"

In addition to this quantify, there has been transported, annually, about 16,000 tons of passengers and baggage, or in seven and a half years 120,000 "

Which makes the aggregate

tonnage about 840,000 tons.

One half of this quantity only has passed over the second track, which, up to this time, therefore, has sustained 420,000 tons. The question is now, what effect has this tonnage produced? Is the rail visibly injured by it? per cent.

The company have relieved us of the necessity of all speculation on this point, by above intended to make a comparison be-taking up several stretches of this rail in tween the two roads unfavorable to the lat-1844; and they are now making still further changes—one about a mile long, near the 3 must have made on the minds of your readments about half a mile long, readments are weekly, by changes—one about a mile long, near the 3 must have made on the minds of your readments. Where & Harris, Pittsburg, Pa. changes—one about a mile long, near the 3 must have made on the minds of your readmile stone, and the other about half a mile, ers was, that the first was twice as valuable near South-Woburn. They will be compel- an investment as the last, and that the last led to make additional renewals this year, only "pays 3 per cent."

and probaly to change the iron on the whole of this 10 miles in the course of next year. The durabilty of this rail may, therefore, be gard to the Petersburg road—"the road set down at 500,000 tons. The lowest estimate we have ever seen of the power of a The Petersburg (not Petersburg and Ro-mercial record, etc., which gives it much the good edge rail, is 1,000,000 tons.

The following article, from the Boston Courier, took up 26 miles of the "fish-belly" rail, In 1842 and 1843 the company rebuilt the of July 15th, contains some valuable facts in rela- and laid down a new iron of about 56 pounds road with 15 miles of edge rails, and the bation to the wear of the 56 lbs. iron of the second per yard; some portion of it was 60 pounds, lance with \(\frac{3}{4}\) by 2\(\frac{1}{4}\) inch plate iron, and contrack of the Lowell road. iron per yard. This change of iron cost bridge across Roanoke river. In three ing the iron of this road is about equal to one cent \$121,559, after deducting the proceeds of the

> The new iron was heavier than the old, which, of course, increased the cost of making iron was purchased while railroad iron was

If we make the proper allowance for these two circumstances, we will find that the cost There has been a great deal of discussion of taking up one track of 56 pounds iron,

If we then divide this sum by 500,000 tons, ed it, we shall obtain one cent per ton per mile We have, however, at last, the means of for the value of the wear of iron on this road.

This will-give your readers a better idea forming a very safe estimate of the durabiliThis is a larger result than we should have of the value of our road than the short statety of a 56 pounds to the yard edge rail, when looked for; but as the company recieve more ment that "it pays 3 per cent." well laid, on an even and well-adjusted track. than five cents per mile per ton, for all the The first ten miles of the second track of freight they carry, they can afford to renew the Lowell road was first brought into use in their iron and still make reasonable profits.

#### Petersburg Railroad.

and make the corrections desired, as a matter of justice, and also as a matter of business. We aim, statements of the costs, etc., of their road, but have in many instances, as our table shows, been unable to obtain anything approximating to a full statement, and have, therefore, left them blank-while in some others we have adopted statements which prove to be erroneous. The best remedy is for each company to furnish full and accurate reports, and thus enable us to place them in their proper po-

# Petersburg, July 21, 1845.

Editor Railroad Journal-

Sir :- A friend has just called my attention to an article in your paper of the 26th ult., a part of which I extract, as it is short:

"While I think of it I will correct the statement in relation to the road over which I preside, and two additional ones in your list.

"The gross income (Richmond, Fredericksburg, 

Its net income was..... 

"The Petersburg and Roanoke railroad cost about \$950,000, instead of \$260,000, as stated, and pays 3

I do not suppose that the writer of the

years no dividend was paid, the profits having been absorbed by the new work and the payment of debts.

The receipts of transportation for the 12 months ending Feb. 1st, 1845, \$123,670 81 Expenses of all kinds, except interest, was..... \$49,970 33 Interest account..... 4,745 98 58,718 31 \$64.952 50 Net income..... Out of this income was paid—
Of the debts due by the company...
And a dividend of 3 per cent.....

Out of the profits of the last six months we have paid about \$32,000 of our debt and a dividend of 2 per cent.

Your informant, in sending you the statement about our road, omitted, no doubt accidentally, to give all that is necessary to fill up the blanks in your list, some of which are of importance in ascertaining the value We give place to the following communication, of the investment. This I will give you.

The road is 63 miles, (instead of 60, as in your list.)

The number of shares 7,690, of \$100 each, all paid.

The amount of loans and debts Feb. 1st, 1845, was \$94,592. This was reduced to less than \$63,000 July 1st.

Last prices of stock \$75 to \$77.

I have charge also of the Greenville and Roanoke railroad, the cost of which is greatly overrated in your report.

This road is 18 miles long. \$284,433. Number of shares 2000, of \$100 each, all paid. Debt, 1st of May last, \$37,-544. This road was finished in 1837. Up to May last the company had paid \$46,858 of their debt out of the profits of transportation. No dividend has yet been made.— Last sales of stocks 25 to 28.

The receipts for the fiscal year, end-\$25,368 94 Interest account ..... 2,673 46-\$19,294 08

Net income—applied to the reduc-\$6,074 86

I remain respectfully yours, H. D. Bird.

PITTSBURGH GAZETTE AND ADVERTISER.

We have just received one number-and look for more-of this excellent paper, pub-It is a very long time since we have seen a number of it, though it was formerly a regular visitor. It is a well conducted and, we judge from its advertising, a well sustained business paper-with its marine list, comanoke) railroad was finished in 1833. Up appearance of our city papers—and will be In 1841 and 1842, the Lowell company to 1842 it had paid in dividends 54 per cent. found, we doubt not, a valuable medium of

We copy from the Albany Argus the following exthe subject of railroads. It shows that "truth is doubles business.

mighty and will prevail."

proved that the opening of a railway invariably upon with certainty. doubles business, and in many cases trebles, and

The railway spirit-Its present character-Progress of American railroads,

in every state in the union. Almost every wrought feeling on this question, yet we may say there is "method in this madness." Canal Sare not spoken of, because business men know that any new work of internal improvement to be a soft black and soft black and received with distrust.

Have reliable data which snow a reasonable and a half on the London side of Slough.

The express train left Paddington for Exeter on Tuesday morning, at three-quarters past nine o'clock, the whole distance are now received with distrust.

sound business men, of tried integrity, in the whole cost of the road and its equipments, then safety is adhered to, and though the direct return may not be large, the stockholders are sure of a small yearly income from their investment. This reliance upon present and existing business is all that is

advertising for our city merchants and business in the charge of speculating upon the credulity has visited the principal railroads officeen

ceedingly appropriate, and well written, article on ved that the opening of a railway invariably now in the dawing of the system. Dute spheet of railroads. It shows that "truth is doubles business. In many cases its trebles ring the next fifteen years may we not an-

even quintuples it," is certainly true-and a truth on a proposed route will pay a small divi- The vast extent and boundless fertility of our which we have long labored to establish-and we dend, the increse of business on the opening country and the irrepressible character of our are much pleased to learn that the Argus, one of the of a railway may be sufficient to meet all people afford an unerring indication of what most influential papers in the union, has hoisted the contingencies in their construction and other they will accomplish when their energies railroad flag—even at this late period. It is not yet expenses, the exact amount of which it is at are directed upon enterprizes worthy of their too late for it to accomplish much in aid of the first impossible to calculate. This certain name and the nation, and which so pecu-

dend beyond a peradventure.

There need be but little fear that the rail-The feeling in favor of railways is rising road spirit will run into a dangerous mania. The currency, which in truth is the great paper we open contains a call for a railroad lever of all wild speculations in this counmeeting or elaborate reports of trade and ton-try, is fortunately on a sounder basis than it nage of particular routes, in order to deter-was in '35 and '36. This is a safeguard of mine the propriety of an immediate prosecu-tion. The space that these proceeding occu-have to raise the money without borrowing, py in the local papers of all parties is the best evidence of the depth and pervading inalent, they will feel no disposition to waste took place on the Great Western railway, tensity of public opinion. Though it may it in railroads. They may invest it if they near the Langley station, about two miles be thought that there is madness in the high- have reliable data which show a reasonable and a half on the London side of Slough.

kinds of business, it is obvious that many agents, as in '35 and '36, are traversing Eu- and two first class carriages. Upon the arfreight, as well as passenger travelling, that so earnest about railways rely entirely upon and dust between the lines of rails were the community will give the preference to American capital-deeming it sounder policy thrown up in clouds, into both the first and amount of tonnage and the number of passengers over any proposed route are first ascertained, before the enterprize will move. certained, before the enterprize will move ting the hand of labor by an ample reward

Fortunately, this important examination is while it repays the munificent enterprize of filled with passengers, there being upwards of one hundred and thirty second class, and

whose judgment a just confidence is reposed by those who are invited to invest. When enduring arms of peace, they immeasurably was the luggage van. The weights of the it is clear that the present business would pay strengthen the military efficiency of our respective vehicles, exclusive of luggage and a small dividend (say 3 or 4 per cent.) on country and add to its national greatness and passengers, were as follows:-The engine,

of the public.

In this connection we might very properly state, that experience has conclusively promiles of railroads. But we are and even quintuples business. This reliance ticipate a progress accelerated by the past The remark that "experience has conclusively for an increase of business may be depended momentum? Who will not live to see that five thousand augmented to fifteen, and per-Where the present and existing business haps twenty-five thousand miles of railways? augmentation of transportation insures a divi- liarly accord with the progressive spirit of our institutions.

Rallway Accidents.

The recent accidents on the Great Western, or London and Bristol railway, is causing no little talk. We copy the following account of it from the Railway Express, of 20th of June, and then give the remarks of Herapath's Magazine, of the 21st :-

Accident on the Great Western Railway.

provement to be profitable must carry not only freight but passengers. If they can so general urgency to push forward railways a half. The train consisted of the engine construct a railroad as to do cheaply both we hear no more of borrowing abroad. No routes (now unoccupied) would support a rope to negotiate loans at a low rate of interrailway where a canal could not pay its repairs. Time, and speed, and certainty, are through. The revulsions of the past are not perienced an extraordinary undulatory sort forgotten. Most fortunately those who are of motion, and shortly afterwards the gravel of motion, and shortly afterwards the gravel railways. Canals may carry cheaper, but to wait awhile, until our capitalist can accu-second class carriages, to the great alarm and railroads are quicker, and what is of not less mulate sufficient means, rather than hurry dismay of the passengers; and, before more importance, can be used every month of the these railroads through, upon the impulse of than a few seconds had elapsed, the two first year, while canals are closed at least five foreign capital. So long as such caution class and one of the second class carriages months, or nearly half of the year, and so tempers the present mania we fear not the were thrown with fearful violence off the long are useless to the producer or manu-rising spirit. On the contrary, much good line down an embankment twelve or fifteen facturer.

There is one feature which now marks the leads to the linking of the iron bands of dreadful crash. The first of the two second railway efforts, not only in New England brotherhood and union is a noble one. We and New York, but in the western, middle, trust that it may be rightly directed. It can across the four lines of rails, which having and southern states, and that is, the exact be productive of the highest good to man, become disconnected from the luggage van,

Neither is it to be overlooked, that though between fifty and sixty first class, passengers.

Jones, in Mr. Brunel's establishment; and our Journal Mr. Seymour Clarke, the chief superintendent of the locomotive department, accompa-nied by Mrs. Clarke. All these parties providentially escaped with but trifling bruises.

Upward of forty persons, who were more

night.

Accident on the Great Western Railway.

Every one must deplore the unfortunate usual cause for public accommodation and good, we cannot help feeling a more than ordinary sympathy. The Great Western fast train had set an example so bright and shining that other companies' performances, like candles in the presence of the sun, appeared dark and insignificant. If, therefore, there is any act of the Great Western more than another to which we wisned unmixed success, the carriages without compromising the safety of the passengers.

We also hope that the subject will not estable the suggestions are the action of the driving wheels is more or less oblique from the absence of uniformity in the fixing or seating of the rails with the same precision as the chair insures.

I have no doubt that the cause of the late accident might have been accelerated by it was this, and we felt overpowered with vex- [The following observations on this sub- the lightness of the luggage van, and by its ation when we heard of their misfortune, of ject from a gentleman of considerable expe-being (as I presume it was from the circum-

Lamentable, however, as the accident is, we have learned one lessson by it, which we explanation of the cause of the late accident hope will not be lost on Mr. Brunel, the en- to the express train of the Great Western gineer, who was reported, but we learn not company will be afforded to the public. truly, to have been present, but had the good or less injured, were taken to the Royal Ho- fortune to escape uninjured. It is this :- railways, it is evident that the cause originatel, at the Slough station. Among those The cause of the accident was owing to the ted either in neglect or was the result of ac-were Sir Richard Vyvyan; Dr. Strong, of luggage van—which Mr. Seymour Clarke cident which no human prudence could pre-Rose-cottage, Hereford; the Rev. Colling-wood Hughes, of Avishays-house, near Chard, and the family governess; Mr. Bristhat some twelve months ago Mr. Brunel, in correct, I should fear that the luggage van tow, of Haverfordwest; and Mr. Colin Ro-some evidence he gave on the atmospheric next to the tender had not been properly at-bertson, late of Honiton. None of these railway, asserted that by means of the athad sustained any serious or permanent in-jury. mospheric railway they would be able to coupling and safety chains should both have jury. given way at the same moment. General Pasley, the government inspector tion and go at a much higher speed, which of railways, accompanied by Mr. Seymour we then commented on as unsound reason-Clarke, visited the scene of the accident on ing. We maintained that the weight of the line would have produced a similar result, Wednesday. No defects were discovered in carriages was one great security at high ve-the line of rails to have caused the accident, locities against their leaving the rails, and rails of which are laid on continuous or lon-Mr. S. Clark's opinion of the cause of the ac-that to diminish their weight would be to in- gitudinal bearers, the possibility of a similar cident is as follows:—"The luggage van, crease the public danger. An accident hap-which was a four-wheeled vehicle, and the pened on one of the railways, shortly after, lightest in the train, was, from some cause confirmatory of what we said; yet in spite manner in which the rails are laid. which cannot at present be ascertained, of this practical fact—palpable even to a thrown off the line, the engine and the other child—Mr. Brunel maintains his notions, carriages remaining in their proper position and advances as a merit of the atmospheric rails is to collapse, and in order to guard on the rails. It proceeded thus until it came plan that it will save dead weight and per-against this tendency, which is caused by the to the cast iron girders or troughs of a bridge mit us to have carriages of a lighter descrip- action of the flanch of the wheels on the inthrown over a road leading from Langley to tion. Here, however, is a fact on his own ner side of each rail, every precaution is ta-Iver, when it seems that it struck one of railway which his own sub has described, ken by offering the greatest resistance to the these girders, which threw it off the timbers that the cause of the accident was the lightinto the ballast of the line, pulling with it, est vehicle by one-half of seven in the trainand against the iron girnders, the remainder namely, the luggage van jumping off the bearers, the framing to counteract lateral of the train."

The engine is set down at 10 tons, pressure, is placed in juxta-position to the To the extraordinary strength of both the which we suspect are several tons too little, bearers, whereas in the cross sleeper road first and second class carriages, which, though the tender at 10, two first class carriages the rail itself is acted upon by the chair in very much damaged and shattered, stood the each at 71 tons, and two second class car- which it is seated. In the one case the reshock so as to enable the passengers to move riages each at 7 tons, while the luggage van sistance is direct or immediate, but in the for-freely in them, may be attributed the preser-is only 3½ tons. Why the luggage van was mer it is remote or contingent. vation of the lives of the numerous passen so disproportionably light, we know not. If gers, which were placed in the most immilit was made so conformably to Mr. Brunel's pair of a line, the rails of which are laid on nent peril. The galvanic telegragh between notions that the weight of a vehicle has no blocks, will have seen that the inner side of Slough and Paddington, which had been thing to do with security on the rails, here is the block is imbedded deeper in the ballastdamaged, and rendered for the time utterly at once a practical proof of their fallacy; for ing than the other side, and that in lines with useless, by the wires and posts having been had it not been for the high speed, combined continuous or longitudinal bearers, the inner severed and broken, was repaired during the with the superior lightness of this vehicle, side of the bearer requires much more packvehicle of the train.

ern on Tuesday, not merely that it was an accident, but that it happened to a train which reflects on the enterprizing spirit of the company the highest credit. Accidents the company the highest credit. Accidents all companies are liable to, but when they fall on actions which have departed from the

Mr. Brunel, the engineer in chief; Mr. which an account is given in another part of rience in railways, open up new ground, and will therefore be read with attention.]

MR. EDITOR:-It is to be hoped that a full

To those acquainted with the working of

The sudden separation of the carriages of a train proceeding at a high velocity on any accident is greater, not from the extreme breadth of its gauge, but from the peculiar

It is admitted by all persons conversant with railways that the natural tendency of tendency to collapse.

In the case of continuous or longitudinal

Any one who has noticed the ordinary rethe chances are six to one against its leaving ing than the outer. This adjustment is to the rails. These odds are much increased, insure a more perfect gauge of the rails. insure a more perfect gauge of the rails. [From Herapath's Railway Magazine of June 21.] seeing that it was not the first but the third The departure from the true gauge causes the carriages to roll or to assume that oscil-Though we cannot but feel gratified at lating motion which is commonly termed

acting on both rails at the same time with an

late accident might have been accelerated by

of a different length to the other carriages in the train; at all events, I trust for the sake show us the result. Although circumstances perous. of the public and the company that the result were altogether unfavorable to a trial of the of the inquiry will be made known.

London, June 19, 1845.

A TRAVELLER BY RAILWAYS.

This is an age prolific of new plans, and there Possibly "Prosser's Railway Guide Wheels" are among the good ones; therefore we lay the followask their views in return:

Prosser's Railway Guide Wheels.

On Wednesday last the merits of this plan were publicly tried at Wimbleton-common, where a length of about two miles of railway was laid down for the purpose. The line was not composed entirely of wooden rails, but partly of iron, to show the power of easy transition from one to the other of which the plan is capable; and this we may observe was proved beyond doubt. The shape of the line is not much unlike that of a ladle, being for some distance a straight length, at one end of which it branches off with short curves into two lines of railway, taking opposite directions to form a circle, so that the train ran down the straight line, round the circle, and returned to the place whence it set out up the straight portion. The radius of the curves (contained in the circle) is 10 chains, and the heaviest gradient on the line 1 in 50; there were other gradients of different inclination, varying from 1 in 80, 1 in 100, to 1 in 200, etc. Our readers are aware of the principle and plan of Mr. Prosser's invention, since we have had occasion to call their attention to it on former occasions; it is simply a contrivance to dispense with the ordinary flange, by em-ploying small wheels, working against the rails obliquely at angle of 45 degrees, to do its office, by which it is professed friction is reduced, and greater safety obtained-the rubbing of the flange being obviated by the rolling of these wheels, which at the same time obtain a greater purchase on the rails, and in case of accident to the wheels or axles (unfortunately the principal cause of our and our neighbor's worst accidents, particularly that frightful one on the Versailles railway) they supply the place of the wheels themselves. The plan is equally adaptable to iron or wood, and in using the latter a saving of £2,500 to £3,000 per mile is alleged firms of contractors to make it on the Guilford Junction line, which unfortunately perhaps for the inventor, though the large sum of £20,000 was given as compensation, was not completed, owing to the purchase of it by the South West company, to form part of an extensive scheme in connection with their railway. Had that line been made, we were to the large sum of the Governor and the agents of the Governor and the agents of the summitted without delay, for the approval of the Governor and the agents of the smoke box. Weight of engine, with wood and waster, of which approval no doubt is enter-tailway. We also learn that the prospect of letting the large sum of the summitted without delay, for the approval of the Governor and the agents of the smoke box. Weight of engine, with wood and waster, about 9 tons. This engine and tender are new, and of the best materials and workmanship. If required, would be altered to a 6 wheeled engine.

We also learn that the prospect of letting railway. Had that line been made, we should have had by this time one of the best the unfinished portion of the canal, between

Rennie's old lathe engines. This clumsy death of Mr. Darne. affair is more than doubly as ponderous as it ing article, from Herapath, before our readers, and should be, weighing about 11 tons, (13 with water,) the power of which does not reach 30 horses, whereas a suitable one would not have exceeded six tons. It was without springs. The rails just laid down, soused by a heavy rain, were in a most wretched state of level, such, that we believe no ordinary train, we mean constructed in the common model obtained on Wednesday. At the left hand sharp curve, turning into the circle, where the gradient was as heavy as 1 in 100, the worst portion of the rails continued reaction in the price of iron. The Yniscedwyn and Ystalysera iron ca's have this week lowered their prices for the engine and train ran up this incline, system. There was no more jolting in performing this than in running over less objectionable portions. We may remark that this "jelting," caused in a great measure by the want of springs, was apparently by no means pleasant to some of the parties invited to the experiment, who expected to have an easy ride; and, further, we have no doubt that it somewhat effected their minds as well as their digestions, in estimating, or rather underestimating, the success of the trial .-Sight seers are too apt to form opinions wholly from appearance and feeling, without ma-king allowances for circumstances. For our part, we should prefer testing an invention under severe disadvantage to having it nicely cooked up for the occasion, since we are then enabled, though at some cost to agreeableness, to judge of its worth, if any its posses ses. On the whole, we think the experiment was very satisfactory of the merits of Prosser's system.

Chesapeake and Ohio Canal.-We are highly gratified in being able to announce that at the adjourned meeting of the Chesapeake and Ohio canal company, held at Fredto be effected, the best guarantee for which is the contract entered into by one of the first quired by the late law of Maryland, guarantying the transportation of 195,000 tons of side. tonnage per annum, for five years, were fur- ja45 nished for the whole amount. These bonds

proofs we could desire of the merits of the in- dam No. 6 and Cumberland, to able and envention, namely, the practical working of it.
Is is, however, to be adopted by the Waterford and Kilkennev railway; being but of so having succeeded, thus far, after many diffi-

stance of its being a four wheeled carriage) simple contrivance, and the effect so evident, culties and discouragements, the progress of

At the same meeting, James M. Coale, plan, we must confess to our minds it was more than ever convincing of the practical utility of the plan. A suitable engine not liam Price, John O. Wharton, and Daniel being procurable in less time than a year Buckhurst, Esqrs, were re-elected directors, and a half, the company formed to carry out and Robert W. Bowie, Esq. was elected dimust, of course, be some good ones among them. the system was obliged to resort to one of rector to fill the vacancy occasioned by the

> The Iron Trade of Staffordshire .- Notwithstanding the recent extraordinary reduction in the price of iron, the extensive works of Thomas Kinnersly, Esq., at Kidsgrove, continue in full activity, and we hear that the wealthy proprietor has commenced the erection of another powerful blast, and is expending a considerable sum in other improvements .- [Staffodshire Mercury.]

large speculative broker and dealer has operand worked the curve with the undiminished ated prejudicially on the market; but, if the speed of 20 to 25 miles an hour. That was fear entertained rather generally that parlia-a pretty good test of the capabilities of the ment will stop the progress of many of the

> Decision of the House on the broad and narrow gauges.—The broad gauge came off vic-toriously by a large majority of 134—for it, 247; against, 113; majority, 134. The grounds on which this decision appears to have been governed was the determination of the House to support their committees. It seems to have been fully known in the morning what the result would be. Nevertheless the victory may be short lived.—[Herapath's Journal 1

TO RAILROAD COMPANIES AND MANufacturers of railroad Machinery. The subscribers have for sale Am. and English bar iron, of all sizes; English blister, cast, shear and spring steel; Juniata rods; car axles, made of double refined iron; sheet and boiler iron, cut to pattern; tiers for locomotive engines, and other railroad carriage wheels, made from common and double refined B. O. iron; the latter a very superior article. The tires are made by Messrs. Baldwin & Whitney, locomotive engine manufacturers of this city. Orders addressed to them, or to us, will, be promptly executed.

When the exact diameter of the wheel is stated in the order, a fit to those wheels is guaranteed, saving to the purchaser the expense of turning them out inside.

THOMAS & EDMUND GEORGE, ja45

N. E. cor. 12th and Market sts., Philad., Pa.

Also, 1 20-horse High Pressure Steam Engine.

2 8-horse " " "

1 Upright Hydraulic Press.

All of which will be sold low, on application to

T. W. & R. C. SMITH.

Founders and Machinists,

Alexandria, D. C.

DATENT HAMMERED RAILROAD, SHIP and Boat Spikes. The Albany Iron and Nail Works have always on hand, of their own manufacture, a large assortment of Railroad, Ship and Boat Spikes, from 2 to 12 inches in length, and of any form of head. From the excellence of the material al-ways used in their manufacture, and their very genways used in their manufacture, and their very general use for railroads and other purposes in this country, the manufacturers have no hesitation in warranting them fully equal to the best spikes in market, both as to quality and appearance. All orders addressed to the subscriber at the works, will be promptly executed. JOHN F. WINSLOW, Agent.

Albany Iron and Nail Works, Troy, N. Y.

The above spikes may be had at factory prices, of Erastus Corning & Co., Albany; Hart & Merritt, New York; J. H. Whitney, do.; E. J. Etting, Philadelphia; Wm. E. Coffin & Co., Boston.

ja45

TO IRON MANUFACTURERS. THE SUBscribers, as Agents of Mr. George Crane, of les, having obtained a latent in the United States for his process of sme ing Iron Ore with Anthracite coal, and holding an assignment of the patent obtained by the late R.v. F. W. Geissenhainer, are prepared to grant licenses for the manufacture of Iron according to Mr. Crane's principle.
A. & G. RALSTON & CO., ja45 'No. 4 Sout Fronth st., Philadelphia, Pa.

PATENT RAILROAD, SHIP AND BOAT Spikes. The Troy Iron and Nail Factory keeps constantly for sale a very extensive assortment of Wrought Spikes and Nails, from 3 to 10 inches, manufactured by the subscriber's Patent Machinery, which after five years' successful operation, and now almost universal use in the United States (as well as England, where the subscriber obtained a patent)

are found superior to any ever offered in market.

Railroad companies may be supplied with Spikes having countersink heads suitable to holes in iron rails, to any amount and on short notice. Almost all the railroads now in progress in the United States are fastened with Spikes made at the above named factory—for which purpose they are found invalua-ble, as their adhesion is more than double any common spikes made by the hammer.
All orders directed to the Agent, Troy, N. York,

will be punctually attended to.

HENRY BURDEN, Agent. Spikes are kept for sale, at Factory Prices, by I. & J. Townsend, Albany, and the principal Iron merchants in Albany and Troy; J. I. Brower, 222 Water St., New York; A. M. Jones, Philadelphia; T. Janviers, Baltimore; Degrand & Smith, Boston.

\*\* Railroad Companies would do well to forward their orders as early as practicable as the subscriber

their orders as early as practicable, as the subscriber is desirous of extending the manufaturing so as to keep pace with the daily increasing demand.

# FRENCH AND BAIRD'S PATENT SPARK ARRESTER.

O THOSE INTERESTED IN Railroads, Railroad Directors and Managers are respectfully invi-ted to examine an improved SPARK ARRESTER, recently patented by

Our improved Spark Arresters have been extensively used during the last year on both passenger and freight engines, and have been brought to such a state of perfection that no annovance from sparks or dust from the chimney of engines on which they are

used is experienced.

These Arresters are constructed on an entirely different principle from any heretofore offered to the public. The form is such that a rotary motion is imparted to the heated air, smoke and sparks passing through the chimney, and by the centrifa-gal force thus acquired by the sparks and dust they are separated from the smoke and steam, and thrown into an outer chamber of the chimney the smoke and steam, and thrown into an outer chamber of the chimney through openings near its top, from whence they fall by their owi gravity to the bottom of this chamber; the smoke and steam passing off at the top of the chimney, through a capacious and unobstructed passage, thus arresting the sparks without impairing the power of the engine by diminishing the draught or activity of the fire in the furnace.

These chimneys and arresters are simple, durable and neat in appearance. They are now in use on the following roads, to the managers and other officers of which we are at liberty to refer those who may desire to purchase or obtain further information in regard to their merits.

on the following roads, to the managers and other officers of which we are at liberty to refer those who may desire to purchase or obtain further information in regard to their merits:

E. A. Stevens, President Camden and Amboy Railroad Company; Richard Peters, Superintendant Georgia Railroad, Augusta, Ga.; G. A. Nicolls, Superintendant Philadelphia, Reading and Pottsville Railroad, Reading, Pa.; W. E. Morris, President Philadelphia, Germantown and Norristown Railroad Company, Philadelphia; E. B. Dudley, President W. and R. Railroad Company, Wilmington, N. C.; Col. James Gadsden, President S. C. and C. Railroad Company, Charleston, S. C.; W. C. Walker, Agent Vicksburgh and Jackson Railroad, Vicksburgh, Miss.; R. S. Van Renselaer, Engineer and Sup't Hartford and New Haven Railroad, W.R. M'Kee, Sup't Lexington and Ohio Railroad, Lexington, Ky.; T. L. Smith, Sup't New Jersey Railroad Trans. Co.; J. Elliott, Sup't Motive Power Philadelphia and Wilmington Railroad, Wilmington, Del.; J. O. Sterns, Sup't Elizabethown and Somerville Railroad; R. R. Cuyler, President Central Railroad Company, Savannah, Ga.; J. D. Gray, Sup't Macon Railroad, Maccn, Ga.; J. H. Cleveland, Sup't Southern Railroad, Monroe, Mich.; M. F. Chittenden, Sup't M. P. Central Railroad, Detroit, Mich.; G. B. Fisk, President Long Island Railroad, Brooklyn. sident Long Island Railroad, Brooklyn.

Orders for these Chimneys and Arresters, addressed to the subscribers, or to Messrs. Baldwin & Whitey, of this city, will be promptly executed.

N. B.—The subscribers will dispose of single rights, or rights for one or more States, on reasons.

Philadelphia, Pa., April 6, 1844. .\*. The letters in the figures refer to the article given in the Journal of June, 1844.

Tenders and Cars. The Subscriber is engaged in manufacturing Spring Steel from 11 to 6 inches in width, and of any thickness required: large quantities are yearly furnished for railroad purposes, and wherever used, its quality has been approved of. The establishment being large, can execute orders with great promptitude, at reasonable prices, and the SPRING STEEL FOR LOCOMOTIVES, SAMUEL NOTT, CIVIL ENGINEER, SURTENDERS and Cars. The Subscriber is engaged Several Agent, Bangor, Me. Rail-

quality warranted. Address
JOAN F. WINSLOW, Agent,
j5a3 Albany Iron and Nail Works, Troy, N. Y.

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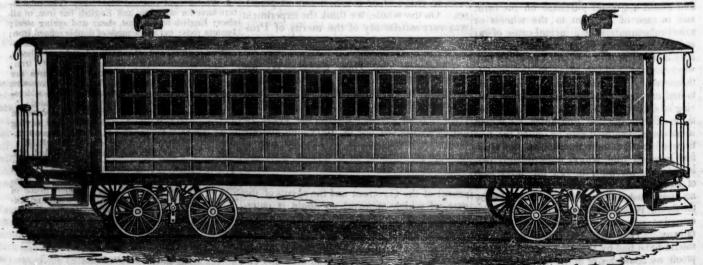
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Boston, Col. James F. Baldwin, Civil Engineer.
Col. J. M. Fessenden, ""
Wm. Parker, Esq., Engineer and Superintendent
Boston and Worcester railroad.



DAVENPORT & BRIDGES CONTINUE TO MANUFACTURE TO ORDER, AT THEIR WORKS, IN CAMBRIDGEPORT, MASS Passenger and Freight Cars of every description, and of the most improved pattern. They iso furnish Snow Ploughs and Chilled Wheels of any pattern and size. Forged Axles, Springs, Boxes and Bolts for Cars at the lowest prices. All order punctually executed and forwarded to any part of the country Our Works are within lifteen minutes ride from State street, Boston—coaches pass every fifteen minutes.

FROM PHILADELPHIA.

EANT.

WEST.

By Railroad and Steamboat from Amboy Line.—
By Railroad and Steamboat from Amboy. Leave foot of Walnut street daily, Sundays excepted, at 54 a.m. Fare \$3. Forward deck \$2 25. Also for New York, by way of Trenton, Princeton, New Brunswick, Elizabethtown and Newark, N.J., daily from foot of Walnut street, at 9 a.m., and 5 p.m.

For Reading and Poltspille By D.

Fare in either direction between Policy of the mail train for New South and west. Through in seven hours. Fare \$3.

For Reading and Poltspille By D.

Fare in either direction between Policy of the mail train for New York. Fare \$3. The evening train leaves Pratt street depot daily, at 8 o'clock, p.m., after the arrival of the cars from the south and west. Through in seven hours. Fare \$4.

For Reading and Poltspille By D.

Fare in either direction between Policy of the mail train for New York. Fare \$3. The evening train leaves the depot, Prant street, daily fexcept Sundays at 9 o'clock, a.m. Por Frederick, Ellicott's Mills, and intermediate depots by the regular train, daily, at 9 o'clock, p.m., after the arrival of the cars from the south and west. Through in seven hours. Fare \$3.

For Reading and Poltspille By D.

Fare in either direction between Policy of the mail train for New York. Fare \$3. The evening train leaves the depot, Prant street, daily fexcept Sundays at 9 o'clock, a.m. Por Frederick, Ellicott's Mills, and intermediate depots by the regular train, daily, at 8 o'clock, p.m., after the arrival of the cars from the south and west. Through in seven hours. Fare \$3.

For Philadelphia.

For Cumberland, Hancock, Martinsburg, Harper's on by the mail train for New York. Fare \$3. The evening train leaves Prant street, daily fexcept Sunday, at 8 o'clock, p.m., after the arrival of the cars from the south and west. Through in seven hours. Fare \$4.

For Mauch Chunk and Wilkesbarre.—
By Express and Reliance Line. Daily, from the corner of Broad and Cherry streets, at 9 a.m.
31 PETERS, MILTIMORE & CO.

For Easton and Bethlehem. By Post Coaches. Leave the Office, next door to the White Swan, Race street, daily, at 4 a.m.

By Post REDUCED.

By the Great Southern Mail.

By the Great Southern Mail.

and 41 p.m.

town Railroad and Steamboat Line. Fare \$1. The Steamboat Robert Morris, Capt. J. M. Douglass, leaves Dock street wharf daily, except Sunday, at 3 o'clock. Passengers by this line will reach Baltimore at about 10 p.m. Tickets through to Wheel-

and arrive in Baltimore in time for early tea; pas-sing through the most highly cultivated and beautiful part of Pennsylvania, and romantic part of Ma-

For Pittsburg, via Columbia and Lan-caster Railroads. Leave the Depot 274 Market st. daily, at 7½ a.m. The Night Line will leave as usual at 12, midnight. At Harrisburg this line con-nects with the Railroad and Stage Line for Carlisle, Chambersburg and Pittsburg, with the Packet boats for Lewistown, Huntingdon, Hollidaysburg and Pittsburg; also with the Susquehanna Packet boats to Northumberland, Milton, Muncy, Williamsport, etc. Through tickets for any for any of the above

the 7½ line. JACOB PETERS & CO. 31

For Pittsburg. By the Pioneer and Express Packet Line. Leave the Depot, 274 Market st. above 8th, at 7½ a.m. By this route travellers may be assured of a safe and comfortable passage every arrangement having beautiful and the South of the Sou

South 3d st. A CUMMINGE, Agent.

Susquehanna Line of Railroad Cars and Post Coaches.

This line leaves the depot, corner of Broad and Cherry streets, daily, [Sundays excepted] at 8 o'.
clock, a.m., via Reading and Pottsville railroad, for Sunbury, Danville, Cattawissa, Northumberland, Milton, Muncy, Williamsport, Towanda, Bellefonte, Jersey Shore, Lockhaven, Ralston and Elmira. For seats apply at the stage office, 104 Race street, under the White Swan Hotel.

S. STILES, Agent.

Norfolk at 8 a.m. and arrive at Wilmington next day at 12 m. and Charleston next morning at 7.
For Philadelphia (Union Line,) via Chestage the American And Delaware Bay, and Newcastle and Prenchton Railroad.—The well known steamboat Constitution, Capt. Chaytor, has commenced her regular trips for the season, leaving Bowly's wharf, foot of South street, at 3 o'clock, p.m. daily [except Sundays] for Philadelphia. Through in 8 hours.

S. STILES, Agent.

FROM BALTIMORE.

from foot of Walnut street, at 9 a.m., and 5 p.m.—

Fare \$4.

For Reading and Pottsville. By Reading Railroad.

Daily, Sundays excepted, from the Depot, corner of Broad and Cherry streets at 8 a.m.

Fare, \$3 50. Second class, \$3. To Reading \$2 25.

Second class \$1 90.

The March Charle and Wilkesharre—

p.m.

Fare in either direction between Baltimore and Cumberland \$7, and for intermediate distances at the uniform rate of 4 cts. per mile. Through tick-the area issued between Baltimore and Wheeling respectively, \$11. Between Baltimore and Pittsburg, \$10.

Between Philadelphia and Wheeling \$13.

J. D. FOLEY, Agent.

For Washington. From Baltimoee at 9 o'clock, a.m.; 5, p.m.; and 114, p.m. By order, 31 D. J. FOLEY, Agent.

REDUCED.

By the Great Southern Mail

Line, via Washington City, and the only line that
now issues through tickets south, to Weldon and
Charleston, S. C., whereby the traveller gains 24
hours in advance of those who take the Bay route. For Baltimore. By Railroad. Fare \$2.

Via Chester, Wilmington, Elkton, Havre de Grace. Leave Philadelphia, Depot, 11th and Market street, daily, Sundays excepted, at 8 a.m., 4 p.m. Leave Baltimore, Depot, Pratt street, daily, Sundays excepted, at 9 a.m., 8 p.m. Tickets through to Wheeling and Pittsburg can be procured at the Depot.

Wilmington Accommodation Line, leaves the Depot, 11th and Market sts. daily, except Sunday, at 10 a.m. and 4 p.m. Leaves Wilmington at 7 a.m. and 44 p.m. GH HUDDELL, Agent. 31

Southern Mail Line, via Washington City, and the only line that now issues through tickets south, to Weldon and Charleston, S. C., whereby the traveller gains 24

Line, via Washington City, and the only line that now issues through tickets south, to Weldon and Charleston, S. C., whereby the traveller gains 24

Line, via Washington City, and the only line that issues a charleston, S. C., whereby the traveller gains 24

Charleston, S. C., whereby the traveller

d 44 p.m. G H HUDDELL, Agent. 31

For Baltimore. By Newcastle & Frenchthrough ticket South. Those who patronize it will
save their money and time. Through Tickets from
mailroad and Steamboat Line. Fare \$1. The
manboat Robert Morris, Capt. J. M. Douglass,
aves Dock street wharf daily, except Sunday, at
\$10; Baltimore to Petersburg \$7 50; Baltimare to

Fast Mail Line.-Leave New York at 9 a.m. and First Mail Line.—Leave New York at 9 a.m. and arrive in Philadelphia at 3 p.m.; arrive in Baltimore, via Lancaster, Columbia, and York. By the Susquehanna Railroad, daily, Sunday excepted, leave the Depot 274 Market st., at 7½ a.m., and 12 at night, for Columbia, and leave Columbia at 2 p.m. for Baltimore. Dine at York and arrive in Railrington, N. C., at 1½ m.; arrive in Wilmington, N. C., at 1½ m.; arrive in Charleston, S. C., at 6 a.m. Passengers by the above line will arrive at Richardson.

Passengers by the above line will arrive at Richmond by 11½ o'clock p.m. and Petersburg, Va. by 2½ o'clock p.m., through to the former city in twelve hours, and to the latter in fourteen and a half hours, (and in eight hours less time than by the Bay route,) and to Charleston, S. C., in fifty-one to fifty-two hours after leaving Baltimore, and do not incur the

Way Mail Schedule .- Leave New York at 5 o'-Way Matt Schedule.—Leave New York at 5 o'clock p.m. and arrive in Philadelphia at 10 p. m.;
arrive in Baltimore at 6 a.m.; arrive in Washington at 11 a.m. From Philadelphia by steamboat.—
Leave Philadelphia at 6 a.m. and arrive in Baltimore at 1 p.m.; leave Baltimore at 5 p.m. and arrive in Washington at 7 p.m.

press Packet Line. Leave the Depot, 274 Market st. above 8th, at 7½ a.m. By this route travellers may be assured of a safe and comfortable passage, every arrangement having been made for their accommodation. Office N. E. 4th and Chestnut sts. Seats may also be procured at the Depot, and at 13 South 3d st.

A CUMMINGS, Agent.

Susquehanna Line of Rail
Susquehanna Line of Rail
Susquehanna Charleston pert morning at 7 o'clock; fare \$6. Leaves

Norfolk and the South, by steamboat through the Chesapeake bay to Norfolk, and then by railroad to Weldon, Wilmington or Raleigh, etc. Leaves Baltimore daily [except Sundays]

Susquehanna Line of Rail-

Morning Train for Phila-

For Philadelphia, via York, Columbia and Lancaster, by the Baltimore and Susquehanna rail-road. Cars leave from their office, 63 North street, daily [Sundays excepted] at 9 o'clock, a.m. Fare \$3 50.

S3 50.

CEORGE VAIL & CO., SPEEDWELL IRON

Works, Morristown, Morris Co., N. J.—Manufactmers of Railroad Machinery; Wrought Iron

Tires, made from the best iron, either hammered or
rolled, from 14 in. to 24 in thick.—bored and turned
outside if required. Railroad Companies wishing
to order, will please give the exact inside diameter,
or circumference, to which they wish the Tires
made, and they may rely upon being served according to order, and also punctually, as a large quantity
of the straight bar is kept constantly on hand.—
Crank Axles, made from the best refined iron; of the straight bar is kept constantly on hand.— Crank Axles, made from the best refined fron; Straight Axles, for Outside Connection Engines; Wro't. Iron Engine and Truck Frames; Railroad Jack Screws; Railroad Pumping and Sawing Machines, to be driven by the Locomotive; Stationary Steam Engines; Wro't. Iron work for Steamboats, and Shafting of any size; Grist Mill, Saw Mill and Paper Mill Machinery; Mill Gearing and Mill Wright work of all kinds; Steam Saw Mills of sim-ple and economical construction, and very effective Iron and Brass Castings of all descripions.t ia451v

NICOLL'S PATENT SAFETY SWITCH for Railroad Turnouts. This invention, for some time in successful operation on one of the principal railroads in the country, effectually prevents engines and their trains from running off the track

at a switch, left wrong by accident or design.

It acts independently of the main track rails, being laid down, or removed, without cutting or displacing

It is never touched by passing trains, except when in use, preventing their running off the track. It is simple in its construction and operation, requiring only two Castings and two Rails; the latter, even if

much wor or used, not objectionable.

Working Models of the Safety Switch may be seen at Messrs. Davenport and Bridges, Cambridgeport, Mass., and at the office of the Railroad Journal, New York.

New York.
Plans, Specifications, and all information obtained on application to the Subscriber, Inventor, and Patentee.
G. A. NICOLLS. Reading Pa.

MACHINE WORKS OF ROGERS, KETCH-um & Grosvenor, Patterson, N. J. The un-dersigned receive orders for the following articles, manufactured by them of the most superior descrip-tion in every particular. Their works being they are enabled to execute both large and small or-ders with promptness and despatch.

Railrond Work.

Locomotive steam engines and tenders; Driving and other locomotive wheels, axles, springs & flange and other locomotive wheels, axles, springs & flange tires; car wheels of cast iron, from a variety of patterns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery of all descriptions and of the most improved patterns, and reckmanship.

of all descriptions and of the most improved patterns, style and workmanship.

Mill gearing and Millwright work generally; hydraulic and other presses; press screws; callenders; lathes and tools of all kinds; iron and brass castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR, a45 Paterson, N. J., or 60 Wall street, N. York.

RAILROAD IRON AND FIXTURES. THE Subscribers are ready to execute orders for the at ove, or to contract therefor, at a fixed price, delial ove, or to contract the vered in the United States.

DAVIS, BROOKS & CO.,
21 Broad st., N. York.

road Line.

h'or Middletown, Goshen, and intermediate places For Middletown, Goshen, and intermediate places.

—Two daily lines each way, as follows:—For passengers—The new, fast and commodious steamboat St. Nicholas, Capt. Alex. H. Shultz, will leave the foot of Duane street daily, [Sundays excepted,] at 7½ o'clock, A.M., and 4 o'clock, P.M., through in five hours. Returning, the cars will leave Middletown at 6, A.M., and 4½, P.M. For further particulars inquire of J. Van Rensselaer, Agent, corner of Duane and West streets,

H. C. SEYMOUR, Superintendant.

Stages run from Middletown daily, in connection

Stages run from Middletown daily, in connection with the afternoon line, to Bloomingburg, Wurtsboro, Monticello, Mt. Pleasant, Binghampton, Owego, Port Jervis, Honesdale Carbondale, etc.

On Monday, Wednesday, and Friday, to Dundaff, Montrose, Friendsville, Lenox, Brooklyn, etc.,

PASSENGER LINES FOR THE NORTH AND WEST.

Morning Line, at 7 o'clock—For Albany, Troy, and intermediate landings.—The steamboat Troy, Capt. A. Gorham, will leave New York, foot of Barclay street, at 7 o'clock, A.M., every Tuesday, Thursday, and Saturday. The steamboat Niagara, Capt. DeGroot, leaves New York at 7 o'clock, A.M. Monday, Wednesday, and Friday.

Monday, Wednesday, and Friday.

Afternoon, or 5 and 7 o'clock Line.—At 5 o'clock, P.M., landing at infermediate places, from the foot of Barclay street.—The steamboat New Jersey, Capt. H. H. Fury, will leave on Monday, Wednesday, Friday, and Sunday. The steamboat South America, Capt. M. H. Truesdell, will leave on Tuesday, Thursday, and Saturday. For passsage or freight apply on board, or to

P. C. SCHULTZ,

At the office on the wharf.

At the office on the wharf.

For Albany and Troy, direct, at 7 o'clock, P.M., from the steamboat pier, foot of Courtlandt street. The Empire, Capt. R. B. Macy, Tuesday, Thursday and Saturday. The Columbia, Capt. Wm. H. Peck, Monday, Wednesday, and Friday.

Troy and Greenbush Railroad.

Leave Troy, at 6 o'clock, A. M.,

to Boston and Albany; 81, do., do., do.; 101, do.,
do., do.; 2, P.M., to Boston and Albany; 4, do.,
do., do. Leave Albany at 71 o'clock, A.M.; 91 do.,
do.; 19, M., or on arrival of the Boston train; 3, 6, P.M., or on arrival of the Boston train.

Passengers leaving Troy, Mondays, Wednesdays, and Fridays, at half-past 3 o'clock, p.m., by railroad and packet, will arrive at Whitehall in time for the above boat next morning.

PASSENGER LINE EASTWARD.

Long Island Railroad -Brooklyn depot.—Boston train, 81, a.m., daily, stopping at Farmingdale and St. George's Manor; acping at Farmingdale and St. George's Manor; accommodation train, 9½, a.m., and 5 p.m., for Farmingdale and intermediate places, daily; accommodation train, 3, p.m., for Greenport, daily, stopping at Jamaica, Branch, Hempstead, and Hicksville, and all the stopping places between Hicksville and Greenport. From Greenport depot: Boston train, daily, at 12½ o'clock, m., or on the arrival of steamers from Norwich. Accommodation train at 5, a.m., daily, for Brooklyn and intermediate places. From Farmingdale denot: Accommodation train From Farmingdale depot: Accommodation train at 61, a.m., and 21, p.m., daily, for Brooklyn and intermediate places.

The steamboat Statesman leaves Greenport for

Sag Harbor twice each day, on arrival of the trains

from Brooklyn.

Baggage crates will be in readiness, at the foot of Whitehall street, to receive baggage for the several trains, 30 minutes before the hour of starting from 31 the Brooklyn side.

Regular Mail Line between New York and Boston, via Sonington, Providence, and Newport, composed of the following steamers, running in connection with the Stonington and Providence railroads, and the Boston and Providence railroad: Massachusetts, Capt. Comstock; Mohegan, Capt. —; Nar-ragansett, Capt. Manchester; Ruode Island, Capt. Thayer. Via Stonington, daily, [except Sundays,] at 6 o'clock, p.m., from New York, and from Ston-ington on the arrival of the mail train, which leaves Evening, or 7 o'clock Line.—Line steamboats for Albany—Daily, Sundays excepted—Through direct at 7 o'clock P.M. from pier between Courtlandt and Liberty streets.—Steamboat Rochester, Capt. R. G. Crittenden, will leave on Monday, Wednesday, and Friday. Steamboat Knickerbocker, Captain A. Houghton, will leave on Tuesday, Thursday, and Saturday.

Steamboat Knickerbocker, Captain A. Houghton, will leave on Tuesday, Thursday, and Saturday.

Steamboat Knickerbocker, Captain A. Houghton, will leave on Tuesday, Thursday, and Saturday.

New York and Boston Railroad Line, via Norwich and Worcester, daily, from pier No. 1, North river, at 6 o'clock, p.m. The Worcester, Captain Bacon, on Tuesdays, Thursdays, and Saturdays. The Cleopatra, Capt. Dustan, on Mondays, Wednesdays, and Saturdays, wednesdays, Thursdays, on Mondays, Wednesdays, Thursdays, on Mondays, Wednesdays, Thursdays, on Mondays, Wednesdays, Thursdays, and Saturdays.

FROM NEW YORK.

New York and Harlem Railrisiania at 5.30, 7, 8, 9, 10, a.m.; 1, 2, 3, 3.30, 4, 5, 5.30, 6, p.m. For Fordham and Williams' Bridge at 5.30, 7, 10, a.m.; 2, 3.30, 5, 6, p.m. Leave Morrisiania and Harlem for City Hall at 6.20, 8, 9, 10, 11, a.m.; 2, 3.4, 2, 5.20, 6, 6.30, 7.45, p.m. Williams' Bridge for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m.; 2.40, 5, 5.40, 7.20 p.m. White Plains for City Hall at 7, 7.40, 10.40 a.m. There are no train of cars running in connection with any loat except the Mutual Safety until further notice. Tity Hall at 7, 7.40, 10.40 a.m. For freight or passage apply to the captain on board. H. D. FILKINS, Agent, Troy.

PASSENGER LINES, SOUTH AND SOUTHWEST.

New York and Philadelphia Railroad Line—Direct. Leaves New York daily, from
the foot of Liberty street. Morning Line, 9 o'clock,
A.M. Mail Pilot Line, 41 o'clock, P.M. Fare in
first class cars, \$4. Second-class cars, \$3.

Passengers will procure their tickets at the office
foot of Liberty street. Philadelphia Baggage Crates
are conveyed from city to city without being opened
by the way. Each train is provided with a car, in

by the way. Each train is provided with a car, in which are apartments and dressing rooms expressly for the Ladies' use.

Camden and Amboy Railroad

Line.—For Philadelphia
and intermediate places. Leaves Pier No. 2, North
River, foot of Battery Place, by Steamboat to South Amboy, daily, Sundays excepted, at 54 o'clock A.M. Passengers will take the cars at South amboy. Fare Passengers will take the cars at South amoby. Fare to Philadelphia, \$3. Forward deck passengers, \$2 25. To Freehold and Monmouth, via. stages from Hightstown, \$1 50. To Spotswood and West 75 cents. To South Amboy, 25 cents. To Perth Amboy, Tattens, Rossville and Tuffts, 12½ cents. The steamboat Independence will land at each of the absence of the steamboat lands are single and returning law.

the above named places going and returning, leav-ing Perth Amboy at 5 o'clock P.M.

New Jersey Railroad and
Transportation Company. — For
Newark. Fare 25 cents. Leave New York at 8,9, and 11 o'clock A.M., and 12\(\frac{1}{2}\), 2, 3, 4\(\frac{1}{6}\), and 8 o'clock P.M. Leave Newark at 7, 7\(\frac{1}{4}\), 8, 9, 10\(\frac{1}{4}\), A.M., and 1\(\frac{1}{4}\), 4, 5\(\frac{1}{4}\), 7\(\frac{1}{4}\), 9\(\frac{1}{4}\), P.M. On Sundays, leave New York at 9 A.M., and 4\(\frac{1}{4}\) P.M. Leave Newark at 11\(\frac{1}{4}\) A.M., and 9\(\frac{1}{4}\) P.M. Leave New York at 9 A.M., 12\(\frac{1}{4}\), 2, 4\(\frac{1}{4}\), 6\(\frac{1}{4}\) P.M. Leave Elizabethtown at 7, 7\(\frac{1}{4}\), 8, 10\(\frac{1}{4}\) A.M., 3\(\frac{1}{4}\), 9\(\frac{1}{4}\). Leave New York at 9 A.M., 12\(\frac{1}{4}\), 2, 4\(\frac{1}{4}\), 6\(\frac{1}{4}\) P.M. Leave Rahway at 5\(\frac{1}{4}\), 7\(\frac{1}{4}\), 11\(\frac{1}{4}\), A.M., 3\(\frac{1}{6}\), 9\(\frac{1}{4}\). Leave New Brunswick. Fare 50 cents. Leave New York at 9 A.M., 4\(\frac{1}{4}\) P.M. Leave New Brunswick at 5\(\frac{1}{4}\), 7\(\frac{1}{4}\), 11\(\frac{1}{4}\), A.M., 8\(\frac{1}{4}\), P.M. On Sundays, leave New York at 9 A.M., and 4\(\frac{1}{4}\) P.M. Leave New Brunswick at 12\(\frac{1}{4}\), and 6\(\frac{1}{4}\) P.M. Leave New Brunswick at 12\(\frac{1}{4}\), and 6\(\frac{1}{4}\) P.M. Leave New Brunswick and intermediate places, including the Brunswick and intermediate places, including the form of the places, and the places, including the form of the places, and the places, including the form of the places. New Jersey Railroad and

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Passengers, on the arrival of the steamers at Allen's Point, will be immediately forwarded in the splendid and commodious cars of the railroad to Boston, without change of cars or baggage.

Solution 19 Providence, on Monday, Wednesday, and Friday. This line leaves at 8 o'clock, in the morning, from the foot of Whitehall street, South ferry.

Paterson Railroad. Leave New York, 9\(\frac{1}{4}\) A.M., 4\(\frac{1}{2}\) P.M. On Sundays, leave New York 9\(\frac{1}{4}\) A.M., 5\(\frac{1}{4}\) P.M. Leave Paterson, 8\(\frac{1}{4}\) A.M., 4\(\frac{1}{4}\) P.M. Passengers are advised to be at the ferry a few minutes before the stated hours of departure. Office 75 Courtland street.

South ferry.

do.; 19, M., or on arrival of the Boston train; 3, P.M.; 6, P.M., or on arrival of the Boston train.; 3, P.M.; 6, P.M., or on arrival of the Boston train.; 3, P.M.; 6, P.M., or on arrival of the Boston train.

Passengers at Albany should procure tickets at the Boston railroad office, foot of Maiden lane.

Passengers at Albany should procure tickets at the Boston railroad office, foot of Maiden lane.

L. R. SARGENT, Superintendant.

Schenectady and Troy railroad cars leave as follows.—From Troy, 7½ o'clock, A.M., daily; 1, P.M., daily, except Sundays; 7½ do., daily. From Schenectady, 3 o'clock, A.M., daily; 9, do., do., except Sundays; 7½ do., daily.

Persons going to Saratoga and north should take the 7½, A.M., train; and passengers going west of Schenectady, the 7½, A.M., or 7½, P.M., trains.

L. R. SARGENT, Superintendent.

Inesday, and Friday.

This line leaves at 8 o'clock, hin the morning, from the foot of Whitehall street, 31 in the morning, from

ryenus office